# GENERAL CATALOGUE 2019



GENERAL APRIL CATALOGUE 2019

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	Quartz 0.9	142		Ultrabond Eco MS 4 LVT	102		Ultracoat Roller Base Sport	117
	Quartz 0.25	142		Ultrabond Eco MS 4 LVT Wall	103		Ultracoat Roller Finish Sport	117
	Quartz 1.2	34/142		Ultrabond Eco P909 2K	77		Ultracoat Roller MT8	118
	Quartz 1.9	143		Ultrabond Eco P909 2K Fast	77		Ultracoat Roller MT Sport	118
	Quarzolite Base Coat	251		Ultrabond Eco P909 2K Plus	77		Ultracoat Roller Quick	118
	Quarzolite HF Plus	251		Ultrabond Eco PU 2K	45		Ultracoat Roller T3	118
	Quarzolite Paint	252		Ultrabond Eco Remove	95		Ultracoat Roller T5	119
	Quarzolite Tonachino	252		Ultrabond Eco S940 1K	77		Ultracoat Roller T10	119
	Quarzolite Tonachino Plus	252		Ultrabond Eco S948 1K	78		Ultracoat Soft Touch Base	85
_				Ultrabond Eco S955 1K	78		Ultracoat Soft Touch Finish	85
R	RASA+*	305		Ultrabond Eco S958 1K	78		Ultracoat Solvent Base	85
	Resfoam 1 KM	267		Ultrabond Eco S968 1K	78		Ultracoat Sport Color	86
	Rete 320	143		Ultrabond Eco S1000 1K	103 79		Ultracoat SR	119
	Rollcoll	91		Ultrabond Eco S Lite Ultrabond Eco S Plus	79 79		Ultracoat Steel Spatula Ultracoat Toning Base	119 86
				Ultrabond Eco Tack	96		Ultracoat Top Deck Cleaner	86
S	SabbiaCEMENTO*	307		Ultrabond Eco Tack 4 LVT	96		Ultracoat Top Deck Oil	86
	SABBIASAL*	308		Ultrabond Eco Tack TX+	96		Ultracoat Traffic MT	87
	SAETTA*	306		Ultrabond Eco TX3	96		Ultracoat Universal Base	87
	Silancolor AC Paint	252		Ultrabond Eco V4 Evolution	97		Ultracolor Plus	49
	Silancolor AC Paint Plus	253		Ultrabond Eco V4SP	97		Ultralite Flex	42
	Silancolor AC Tonachino	253		Ultrabond Eco V4SP Conductive	97		Ultralite S1	43
	Silancolor AC Tonachino Plus	253		Ultrabond Eco V4SP Fiber	97		Ultralite S1 Quick	43
	Silancolor Base Coat	253		Ultrabond Eco VS30	98		Ultralite S2	43
	Silancolor Base Coat Plus	254		Ultrabond Eco VS90 Plus	98		Ultralite S2 Quick	43
	Silancolor Cleaner Plus	254		Ultrabond MS Rapid	64/285		Ultramastic III	44
	Silancolor Paint	254		Ultrabond P902 2K	79		Ultraplan	14
	Silancolor Paint Plus	254		Ultrabond P913 2K	79		Ultraplan Eco	15
	Silancolor Primer	255		Ultrabond P980 1K	80		Ultraplan Fast Track	15
	Silancolor Primer Plus	255		Ultrabond P990 1K	80		Ultraplan Maxi	15
	Silancolor Tonachino	255		Ultrabond P-R9	115		Ultraplan Renovation	15
	Silancolor Tonachino Plus	255		Ultrabond PU Strong	65		Ultratop	136
	Silexcolor Base Coat	256		Ultrabond S965 1K	80		Ultratop Base Coat	136
	Silexcolor Marmorino	256		Ultrabond S997 1K	80		Ultratop Easycolor	136
	Silexcolor Paint	256		Ultrabond Super Grip	65/98		Ultratop Living	137
	Silexcolor Primer	256		Ultrabond Turf 2 Stars	105		Ultratop Loft F	137
	Silexcolor Tonachino	257		Ultrabond Turf 2 Stars Pro	105		Ultratop Loft W	137
	Silwood	81		Ultrabond Turf 2 Stars W	106		Ultratop Stucco	137
	Spacers 4 LVT	100		Ultrabond Turf LS	106	I –		
	Spindle for Mapei Steel Dry	229		Ultrabond Turf PU 1K	106	V	VAGAlighTher*	304
	Stabilcem	180		Ultrabond Turf PU 1K LC	106		VAGAQUARZ*	306
				Ultrabond Turf PU 2K	107		VAGASAL*	308
T	Thinner for adhesives	34		Ultrabond Turf Repair	107		VAGLIATA*	309
	Thinner PU	34		Ultrabond Turf Tape 100	107		VAGLIATA Super*	309
	TICINO*	309		Ultrabond Turf Tape 300	107		VG03S*	309
	Tixobond White	42		Ultrabond Turf Tape Pro	108		VG15*	310
	Topcem	10		Ultrabond TX57	98		VG16SS*	310
	Topcem Pronto	11		Ultracoat Aqua Plus	81		VG17FS*	310
	Triblock Finish	197	1	Ultracoat Base One	81		Vinavil 03V	240



# SCREEDS AND SMOOTHING COMPOUNDS

### 1. SCREEDS AND SMOOTHING COMPOUNDS

### 1.1 Screeds



### Mapecem

Special quick-setting and drying (24 hours), controlled-shrinkage hydraulic binder for screeds.



#### TECHNICAL DATA:

Recommended mixing ratio: 350-450 kg of MAPECEM for 1 m³ of aggregates (diameter from 0 to 8 mm) and with 80-160 kg of water according to the moisture content of the inerts. **Workability time:** 20-30 minutes.

Set to light foot traffic: after 2-3 hours.

Waiting time before laying: 3 hours for ceramic tiles and stone material;

24 hours for resilient and wood coverings.

Residual humidity after 24 hours: less than 2%. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Application: tapping and flattening with a straight

Consumption: 3.5-4.5 kg/m<sup>2</sup> per cm of thickness.

Packaging: 20 kg bags.



### Gravel 0-8

Blend of aggregates for MAPECEM, assorted grain size from 0 to 8 mm.



#### **TECHNICAL DATA:**

Size of aggregate: assorted grain size from 0 to

Consumption: 1.6 kg/m² per mm of thickness.

Packaging: 20 kg bags.



### Mapecem Pronto

Pre-blended, ready-to-use, quick-setting and drying (24 hours), controlledshrinkage mortar for screeds.



### TECHNICAL DATA:

Mixing ratio: 1 25 kg bags of MAPECEM PRONTO

with approximately 2.2 litres of water. Workability time: 20-30 minutes. Set to light foot traffic: after 2-3 hours.

Waiting time before laying:

3 hours for ceramic tiles and stone material;

24 hours for resilient and wood coverings. Residual humidity after 24 h.: less than 2%.

EMICODE: EC1 R Plus - very low emission. Storage: 12 months.

Application: tapping and flattening with a straight

Consumption: 20 kg/m<sup>2</sup> per cm of thickness.

Packaging: 25 kg bags.



### **Topcem**

Special normal-setting, quick-drying (4 days), controlledshrinkage hydraulic binder for screeds



### **TECHNICAL DATA:**

Recommended mixing ratio: 200÷250 kg of TOPCEM with 1 m³ of aggregates (diameter from 0 to 8 mm) and 120-140 kg of water for dry inerts.

Workability time: 40÷60 minutes.

Set to light foot traffic: after 12 hours.
Waiting time before laying: 24 hours for ceramic tiles, 2 days for natural stone and 4 days for resilient and wood coverings

Residual humidity after 4 days: less than 2%. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Application: tapping and flattening with a straight

Consumption: 2-2.5 kg/m<sup>2</sup> per cm of thickness.

Packaging: 20 kg bags.







### **Topcem Pronto**

Ready-to-use, normal-setting, controlled-shrinkage mortar with high thermal efficiency for quick-drying (4 days) screeds.



### TECHNICAL DATA:

Mixing ratio: 1 25 kg bags of TOPCEM PRONTO with

1.7 litres of water.

Workability time: 40-60 minutes.

Set to light foot traffic: after 12 hours.

Waiting time before laying: 24 hours for ceramic tiles, 2 days for natural stone and 4 days for resilient and

wood coverings.

Residual humidity after 4 days: less than 2%. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Application: tapping and flattening with a straight

edge.

Consumption: 18-20 kg/m<sup>2</sup> per cm of thickness

according to the grade of compacting. Thermal efficiency:  $\lambda = 2,008 \text{ W/mK}$ .

Packaging: 25 kg bags.



### 1.2 Traditional screeds



### Mapefibre ST30/ST42

Structural polymer fibres for concrete and cementitious screeds. May be used to completely or partially substitute conventional reinforcement. Length of fibres: 30 and 42 mm.

#### TECHNICAL DATA:

Dosage: from 1 to 7 kg per cubic metre of mix. Packaging: 6 kg polyethylene bags.

### 1.3 Smoothing compounds



### Fiberplan

Self-levelling, fibre-reinforced, guickhardening smoothing compounds for thicknesses from 3 to 10 mm. Particularly recommended for wood.



### **TECHNICAL DATA:**

Where to use: internal ceramic, natural stone, resilient and wooden floors.

Workability time: 20-30 minutes. Thickness applied: from 3 to 10 mm. Set to light foot traffic: approx. 3 hours.

Waiting time before laying: 3 hours for stable and not sensitive to moisture ceramic tiles and natural stone, 12 hours for resilient and wood coverings.

Colour: pinky grey.

Application: trowel or rake.

EMICODE: EC1 R Plus - very low emission.

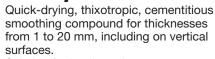
Storage: 12 months.

Consumption: 1.5 kg/m<sup>2</sup> per mm of thickness.

Packaging: 25 kg bags.



# Nivorapid



Suitable for local repairs.











### TECHNICAL DATA:

Where to use: internal floors and walls for ceramic, natural stone, resilient and wooden floorings.

Workability time: 15 minutes.

Thickness applied: from 1 to 20 mm. Set to light foot traffic: approx. 2 hours.

Waiting time before laying: 4-6 hours for ceramic

tiiles and natural stone, 6-12 hours for parquet and resilient floorings.

Colour: grey.
EMICODE: EC1 R Plus - very low emission.

Storage: 12 months. Application: metal trowel.

Consumption: 1.6 kg/m² per mm of thickness.

Packaging: 25 kg bags.

### 1. SCREEDS AND SMOOTHING COMPOUNDS



### Novoplan Maxi

Rapid-hardening, fibre-reinforced, freeflowing cementitious levelling mortar with high thermal efficiency applied in layers from 3 to 40 mm thick, specifically designed for underfloor heating/cooling systems.









#### TECHNICAL DATA:

Where to use: covering compact, under-floor heating/cooling systems and levelling off all types of existing heated floors.

Workability time: 30-40 minutes.

Thickness applied per coat: from 3 to 40 mm.

Set to light foot traffic: 3 hours

Waiting time before bonding flooring: ceramic and natural stone flooring not sensitive to damp 12-24 h; flooring sensitive to damp 2 days per cm of thickness

Application: trowel, rake, levelling bar or pump. EMICODE: EC1 R Plus - very low emission. Mixing ratio: 16-18 parts of water per 100 parts by

weight of NOVOPLAN MAXI.

**Consumption:** 1.8 kg/m<sup>2</sup> per mm of thickness. **Thermal efficiency:**  $\lambda = 1,727$  W/mK.

Storage: 12 months Packaging: 25 kg bags.



### Pianocem M

Thixotropic cementitious smoothing compound for thicknesses from 1 to 5 mm, including on vertical surfaces.



#### TECHNICAL DATA:

Where to use: internal floors and walls for resilient coatings

Workability time: 4 hours.

Thickness applied: from 1 to 5 mm.

Set to light foot traffic: from 4 to 24 hours according

to the surrounding temperature.

Waiting time before laying: 3 days for resilient coverings.

Colour: grey. Storage: 12 months. Application: trowel.

**Consumption:** 1.4 kg/m² per mm of thickness.

Packaging: 25 kg bags.



### Pianodur R

Fine-grained, ultra guick-setting self-levelling smoothing compound for thicknesses up to 3 mm. for floors subject to intense traffic.





### TECHNICAL DATA:

Where to use: internal floors for resilient coatings.

Workability time: 20-30 minutes. Thickness applied: up to 3 mm. Set to light foot traffic: 3 hours.

Waiting time before laying: 12 hours for resilient

coverings

EMICODE: EC1 R Plus - very low emission. Colour: grey.

Storage: 12 months. Application: trowel or rake.

Consumption: 1.5 kg/m² per mm of thickness.

Packaging: 25 kg bags.



### Planex HR

Rapid-drying, moisture-resistant, selflevelling smoothing mortar for layers 1 to 10 mm thick. Also suitable for internal smoothing substrates before bonding non-welded resilient floor tiles with reactive adhesives in areas that need to be washed or rinsed frequently; smoothing over concrete substrates with rising damp before placing PVC isolating sheets (such as MAPELAY).



( www.blauer-engel.de/uz113 )







### TECHNICAL DATA:

Where to use: internal and external floors and walls for ceramic, natural stone, resilient and wooden coatings

Workability time: 20-30 minutes. Thickness applied: from 0 to 10 mm. Set to light foot traffic: approx. 3 hours.

Waiting time before laying: 24-48 hours for ceramic tiles and natural stone, 12 hours for resilient coverings. **EMICODE:** EC1 R Plus - very low emission.

Colour: grey.

Storage: 12 months.

Application: squee-gee, trowel or pump. Consumption: 1.7 kg/m<sup>2</sup> per mm of thickness.

Packaging: 25 kg bags.



### Planex HR Maxi

Rapid-drying, moisture-resistant, selflevelling smoothing mortar for layers 2 to 20 mm thick. Also svitable for internal smoothing substrates before bonding non weldred resilient floor tiles with reactive adhesives in areas that need to be washed or rinsed frequently: smoothing over concrete substrates with rising damp before placing PVC isolating sheets (such as MAPELAY).





#### TECHNICAL DATA:

Where to use: internal and external floors and walls for ceramic, natural stone, resilient and wooden coatings

Workability time: 20-30 minutes. Thickness applied: from 2 to 20 mm. Set to light foot traffic: approx. 3 hours.

Waiting time before laying: 24-72 hours for ceramic

tiles and natural stone, 12 hours for resilient coverings. EMICODE: EC1 R Plus - very low emission.

Colour: grey.

Storage: 12 months.

**Application:** squee-gee, trowel or pump. **Consumption:** 1.7 kg/m² per mm of thickness.

Packaging: 25 kg bags.



### **Planipatch**

www.blauer-engel.de/uz113

Fine-grained, ultra quick-drying, thixotropic cementitious smoothing compound for thicknesses from 0 to 10 mm, including on vertical surfaces.



### TECHNICAL DATA:

Where to use: internal floors and walls for ceramic, natural stone, resilient and wooden coatings. Workability time: approx. 10 minutes.

Thickness applied: from 0 to 10 mm. Set to light foot traffic: approx. 2 hours.

Waiting time before laying: 4-6 hours for ceramic tiles and natural stone, 12 hours for resilient coverings.

EMICODE: EC1 R Plus - very low emission. Colour: grey.

Storage: 12 months. Application: trowel.

**Consumption:** 1.5 kg/m² per mm of thickness.

Packaging: 25 kg bags.







### Planipatch Fast Track

Fine-grained, ultra guick-drying, thixotropic smoothing compound for:

- repairs up to 25 mm:
- laying of resilient coverings after 1 hour.



### TECHNICAL DATA:

Where to use: internal floors and walls for ceramic, natural stone, resilient and wooden coatings.

Workability time: approx. 10 minutes. Thickness applied: from 0 to 25 mm. Set to light foot traffic: approx. 1 hour. Waiting time before laying: 1 hour.

**EMICODE:** EC1 R Plus - very low emission.

Colour: grey. Storage: 12 months. Application: trowel.

Consumption: 1.5 kg/m² per mm of thickness.

Packaging: 23 kg bags and 20 kg boxes containing

4x5 kg aluminium bags.





www.blauer-engel.de/uz113



### Planiprep 4 LVT

Ready-to-use grout smoother for LVT. This product is used to level off and smooth over (down to a feather edge in layers up to 2 mm thick) existing internal ceramic and stone surfaces. It fills joints and gaps between tiles and forms a fine, smooth finish suitable for loose-lay LVT tiles and planks or to be bonded with reactive adhesives, such as ULTRABOND ECO MS 4 LVT WALL very quickly (after 2 hours).



### TECHNICAL DATA:

Where to use: internal floors and walls for loose-lay

Consistency: thick paste.

Colour: white.

Thickness applied: 0-2 mm (up to 3-4 mm in gaps and joints).

Set to light foot traffic: approx. 1 hour.

Waiting time before sanding and applying LVT: approx. 2 hours

**EMICODE:** EC1 Plus - very low emission.

Storage: 12 months. Application: trowel.

Consumption: 80-100 g/m<sup>2</sup>. Packaging: 10 kg drums.





### 1. SCREEDS AND SMOOTHING COMPOUNDS



### Planiprep Fast Track

Ultra rapid-drying fine textured thixotropic cementitious skimming compound, suitable for levelling and skimming new and existing internal substrates (from a feather-edge up to a maximum of 3 mm) to make them suitable for bonding all types of floor covering very quickly (2 hours), including resilients and textiles.

#### TECHNICAL DATA:

Where to use: internal floors and walls for ceramic, natural stone and resilient coatings.

Consistency: fine powder.

Colour: grey.
Workability time: approx. 25 minutes.

Thickness applied: from 0 to 3 mm (1 cm for localised repair works)

Set to light foot traffic: approx. 1 hour (3 mm). Waiting tile before bonding flooring: 2 hours for

resilients.

**EMICODE:** EC1 R Plus - very low emission.

Storage: 12 months. Application: trowel.

Consumption: approx. 1.0 kg/m<sup>2</sup> per mm of

thickness

Packaging: 16 kg boxes containing 4 sachets from

4 kg plastic.



# Planiprep Remove

Ready-to-use grout smoother for looselay LVT easy to remove without leaving any residual.

This product is used to level off and smooth over (down to a feather edge in layers up to 2 mm thick) existing internal ceramic and stone surfaces. It fills joints and gaps between tiles and forms a fine, smooth finish suitable for loose-lay LVT tiles and planks.



#### TECHNICAL DATA:

Where to use: internal floors for loose-lay LVT.

Consistency: thick paste. Colour: white.

Thickness applied: 0-2 mm.

Set to light foot traffic: 12-24 hours.

Waiting time before sanding and installing loose-

lay LVT: 12-24 hours.

EMICODE: EC1 Plus - very low emission.

Storage: 12 months. Application: trowel.

Consumption: approx. 0.8-1.0 kg/m<sup>2</sup>.

Packaging: 10 kg drums.



### Planopur

Two-component, self-levelling, flexible, polyurethane levelling compound for all types of substrate, especially the deformable type.



Workability time: 20-25 minutes.

Application temperature range: from +10°C to

**Set to light foot traffic:** after approximately 12 hours. Waiting time before laying: approx. 15 hours. Colours: Comp. A: beige, comp. B: brown. Application: rake or smooth metal trowel.

Storage: 24 months.

Consumption: approx. 1.5 kg/m<sup>2</sup> per mm of

thickness

Packaging: 14 kg units.



### Ultraplan

www.blauer-engel.de/uz113

Self-levelling, ultra quick-hardening smoothing compound for thicknesses from 1 to 10 mm.











### TECHNICAL DATA:

Where to use: internal floors for ceramic, natural stone, resilient and wooden coatings.

Workability time: 20-30 minutes. Thickness applied: from 1 to 10 mm.

Set to light foot traffic: approx. 3 hours.

Waiting time before laying: 3-4 hours for stable and not sensitive to moisture ceramic tiles and natural stone, 12 hours for resilient and wood coverings.

Application: trowel, rake or pump.

EMICODE: EC1 R Plus - very low emission.

Colour: pinky grey. Storage: 12 months.

Consumption: 1.6 kg/m² per mm of thickness.

Packaging: 23 kg bags.



### **Ultraplan Eco**

Self-levelling, ultra quick-hardening smoothing compound for thicknesses from 1 to 10 mm, with a very low emission level of volatile organic compounds (VOC).



#### TECHNICAL DATA: Where to use: internal floors for ceramic, natural

stone, resilient and wooden coatings. Workability time: 20-30 minutes.

Thickness applied: from 1 to 10 mm. Set to light foot traffic: approx. 3 hours.

Waiting time before laying: 3-4 hours for stable and not sensitive to moisture ceramic tiles and natural stone, 12 hours for resilient and wood coverings.

**Application:** trowel, rake or pump. **EMICODE:** EC1 R Plus - very low emission.

Colour: pinky grey. Storage: 12 months.

Consumption: 1.6 kg/m<sup>2</sup> per mm of thickness.

Packaging: 23 kg bags.







### Ultraplan Fast Track

Ultra-fast drying self-levelling compound for thicknesses from

1 to 10 mm. It is suitable for restoring resilient floor which have to be ready for use in quick times.











#### TECHNICAL DATA:

Consistency: fine powder.

Where to use: internal floors, for resilient and wooden coatings.

Pot life: 10-15 minutes. Thickness applied: 1-10 mm.

Set to light foot traffic: approx. 1 hour.

Waiting tile before bonding flooring: 2 hours for ceramic tiles, natural stone, resilient and wood coverinas.

Application: trowel or rake.

**EMICODE:** EC1 R Plus - very low emission.

Colour: arev. Storage: 12 months.

Consumption: 1.6 kg/m<sup>2</sup> per mm of thickness.

Packaging: 23 kg bags.



### Ultraplan Maxi

www.blauer-engel.de/uz113

Self-levelling, ultra quick-hardening smoothing compound for thicknesses from 3 to 40 mm.











### TECHNICAL DATA:

Where to use: internal floors for ceramic, natural stone, resilient and wooden coatings.

Workability time: 30-40 minutes. Thickness applied: from 3 to 40 mm. Set to light foot traffic: approx. 3-12 hours

(depending on thickness).

Waiting time before laying: from 3-4 to 12 hours for stable and not sensitive to moisture ceramic tiles and natural stone, from 12 to 72 hours for resilient and wood coverings (depending on thickness).

Application: trowel or pump. EMICODE: EC1 R Plus - very low emission.

Colour: grey. Storage: 12 months.

Consumption: 1.7 kg/m<sup>2</sup> per mm of thickness.

Packaging: 25 kg bags.



### **Ultraplan** Renovation

Self-levelling fibre-reinforced rapidhardening smoothing compound applied in layers 3 to 40 mm thick. Particularly suitable for levelling off existing substrates, even wooden substrates.

### TECHNICAL DATA:

Areas of use: internal floors for installing ceramic,

stone, resilient and wooden flooring. Workability time: 30-40 minutes. Thickness applied: 3 to 40 mm.

Set to foot traffic: approx. 3-12 hours (depending on

thickness)

Waiting time before installation: from 3-4 to 12 hours for ceramic and stable and not sensitive to moisture stone; from 12 to 72 hours for resilients and wood

(depending on thickness). Application: spreader or pump.

**EMICODE:** EC1 R Plus - very low emission.

Colour: grey. Storage: 12 months.

Consumption: 1.8 kg/m² per mm of thickness.

Packaging: 25 kg bags.

### 1. SCREEDS AND SMOOTHING COMPOUNDS

### 1.4 Products for levelling substrates



### Adesilex P4

Quick-hardening cementitious levelling compound for internal and external surfaces.



### TECHNICAL DATA:

Where to use: on floors for ceramic and natural stone coatings

Workability time: more than 60 minutes. Thickness applied: from 3 to 20 mm. Set to light foot traffic: approx. 4 hours. **Application:** N° 6 or 10 rounded notched trowel. **EMICODE:** EC1 R Plus - very low emission.

Colour: grey.

Storage: 12 months. Consumption: 4-10 kg/m<sup>2</sup>. Packaging: 25 kg bags.







### Nivoplan

Smoothing mortar for internal and external walls and ceilings for thicknesses from 2 to 20 mm.



#### **TECHNICAL DATA:**

Where to use: on walls for ceramic and natural stone

coatings

Workability time: 2-3 hours. Thickness applied: from 2 to 20 mm.

Waiting time before laying ceramic and natural stone: 24 hours, according to thickness.

Application: trowel. Colours: grey and white. Storage: 12 months.

Consumption: 1.4 kg/m² per mm of thickness.

Packaging: 25 kg bags.



### Planitop Fast 330

Quick-setting, fibre-reinforced cementitious levelling mortar for internal and external floors and walls, applied in layers from 3 to 30 mm to even out irregularities.











### **TECHNICAL DATA:**

Where to use: internal walls and floors for ceramic and natural stone coatings.

Workability time: approximately 20 minutes. Thickness applied: from 3 to 30 mm.

Waiting time before laying ceramic and natural stone: 4 hours, varies according to the surrounding temperature.

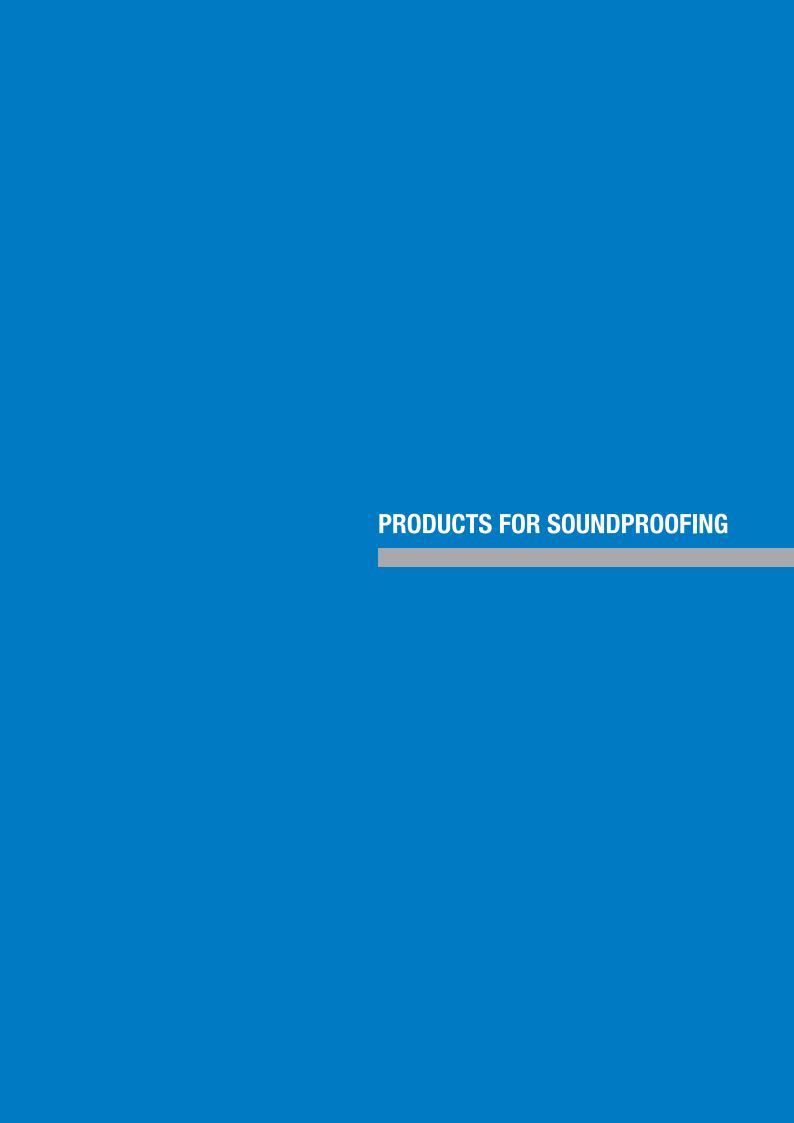
Application: smooth trowel.

EMICODE: EC1 R - very low emission.

Colour: grey. Storage: 12 months.

Consumption: 1.45 kg/m<sup>2</sup> per mm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags.







### Mapesilent Band R

Closed-cell, expanded polyethylene adhesive band applied to perimeter walls and around the edges of elements which pass through screeds to avoid the formation of acoustic bridges.

TECHNICAL DATA: Thickness: 5 mm. Width at base: 50 mm. Height: 100 mm / 160 mm.

Length: 50 m.

Packaging: cellophane package with 4 rolls

50 m long.



### Mapesilent Comfort

Dry soundproofing system for floating screeds made from high density, closedcell foam polyethylene sandwiched to a special protective film.

#### **TECHNICAL DATA:**

Thickness: 6 mm.

Compressibility (reduction in thickness when under

load for a period of time): < 8%.
Thermal conductivity - λ: 0.04 W/mK.
Water vapour diffusion resistence factor - μ:

Dynamic stiffness for calculation purposes (S'): 50 MN/m<sup>3</sup>

Calculated reductions of impact noise from

footsteps (ΔLw): 23,5 dB. Calculated noise level index of impact noise from

footsteps (L'n,w): 58 dB (\*).

Measured noise level index of impact noise from footsteps (L'n,w): 57 dB (\*).

(°) calculations and testing carried out on a 20+4 cm thick brick/ cement floor slab, a 10 cm levelling layer over the system, a 5 cm thick cementitious screed and ceramic flooring.



### Mapesilent Panel

Tiles with a bitumen and special polymer-based elasto-plastomeric membrane with polyester reinforcement. sandwiched to a resilient layer of polyester fibre.

#### TECHNICAL DATA:

Tensile strength:
- longitudinal: 700 N/50 mm;
- transversal: 500 N/50 mm.
Impact strength: 900 mm.

Resistance to static perforation: 15 kg. Impermeability to water: > 100 KPa.

Apparent dynamic stiffness (S't): 10 MN/m³.

Dynamic stiffness for calculation purposes (S'): 21 MN/m³.

Reduction of noise from footsteps when installed (ΔL<sub>w</sub>): 42 dB. Reduction of noise from rootsteps when installed (ΔL<sub>W</sub>): 4. Reduction of noise caused by footsteps under laboratory conditions (ΔL<sub>W</sub>(<sup>1</sup>)): 24 dB.

Thermal resistance (R): 0.313 m<sup>2</sup>K/W.

Nominal thickness: 13 mm.

Format: 1000 mm x 1000 mm tiles. Weight: 5 kg/m<sup>2</sup>.

Packaging: pallets containing 75 m².

(¹) Measured in an independent laboratory on a 14 cm thick normalised reinforced concrete floor with a surface area of 10 m² and an upper acoustic chamber (according to UNI EN ISO 140-8).



### Mapesilent Roll

Sheets with a bitumen and special polymer-based elasto-plastomeric membrane with polyester reinforcement sandwiched to a layer of resilient polyester fibre coated with blue, nonwoven polypropylene fabric with a 5 cm wide self-adhesive border along the sides.

Tensile strength:
- longitudinal: 700 N/50 mm.
- transversal: 500 N/50 mm.
Impact strength: 900 mm.
Resistance to static perforation: 15 kg.

Impermeability to water: > 100 KPa. Reaction to fire: F.

Apparent dynamic stiffness (S't): 15 MN/m<sup>3</sup>

Dynamic stiffness for calculation purposes (S'):  $47 \text{ MN/m}^3$ . Reduction of noise from footsteps when installed ( $\Delta L_w$ ):

37 dB.
Reduction of noise caused by footsteps under laboratory conditions (ΔL<sub>w</sub>(°)): 21 dB.
Thermal resistance (R): 0.145 m²K/W.
Nominal thickness: 8 mm.
Format: 10 x 1 m rolls with a 5 cm border along the sides.
Weight: 1.8 kg/m².
Packaging: pallets containing 160 m².

(¹) Measured in an independent laboratory on a 14 cm thick normalised reinforced concrete floor with a surface area of 10 m² and an upper acoustic chamber (according to EN ISO 140-8).



Mapesilent Tape

Adhesive sealing tape made in closedcell expanded polyethylene.

**TECHNICAL DATA:** Thickness: 3 mm. Width: 100 mm. Length: 25 m.

Packaging: boxes containing 12 rolls 25 m long.



### Mapesonic CR

Soundproofing mat in sheets of rubber and cork applied on substrates before installing ceramic, stone, resilient and multi-layered wooden floors.



#### **TECHNICAL DATA:**

Thickness: 2 mm and 4 mm.

#### Format:

- 30 x 1 m sheets (2 mm thick); - 20 x 1 m sheets (4 mm thick). Reduction of noise from footsteps

EN ISO 140-8: 10 dB.

Density (kg/m³): 700. Colours: brown-black.

Tensile strength EN ISO 1798 (N/mm²): 0.6. Elongation at failure EN ISO 1798 (%): 20. Reduction of noise from footsteps

EN ISO 140-8: 10 dB.

Certified: Technical Report N. PX21361-1. **EMICODE:** EC1 Plus - very low emission.



### Mapesonic GD 4 LVT

Self-adhesive, low-thickness, high-density, sound proofing system, for LVT reinforced with glass fibre mesh, designed to block and reduce trasmission of foot step noise through floors.



### **TECHNICAL DATA:**

Thickness: 1.5 mm. Size: 10 m x 1 m sheets. Weight: 1.1 kg/m<sup>2</sup>.

Dimensional stability (ISO 23999): <0.2%.

Reduction of noise from footsteps (ISO 101401-1):

16 dB (for 2.5 mm thick LVT).

EMICODE: EC1 Plus - very low emission. Packaging: 10 x 1 m (10 m<sup>2</sup>) rolls.



### Mapesonic SA 4 LVT

Self-adhesive, low-thickness, high-density, sound proofing system, for LVT reinforced with glass fibre mesh, designed to block and reduce trasmission of foot step noise through floors.



### **TECHNICAL DATA:**

Thickness: 1.7 mm. Size: 10 m x 1 m sheets. Weight: 1.1 kg/m<sup>2</sup>

Dimensional stability (ISO 23999): <0.2%.

Reduction of noise from footsteps (ISO 101401-1): 16 dB (for 2.5 mm thick LVT).

EMICODE: EC1 Plus - very low emission.

Packaging: 10 x 1 m (10 m²) rolls.

### 2. PRODUCTS FOR SOUNDPROOFING



Mapesonic Strip
Self-adhesive perimeter strip
positioned around the edge of flooring
and any pillars passing through the
flooring to prevent the formation of acoustic bridges, specific for use with MAPESONIC CR.

TECHNICAL DATA: Thickness: 3 mm. Width: 5 cm.

Length: 11 m.
Packaging: boxes of 11 m 4 rolls.



PRIMERS, BONDING PROMOTERS, CONSOLIDATING AND WATERPROOFING PRODUCTS

## 3. PRIMERS, BONDING PROMOTERS, CONSOLIDATING AND WATERPROOFING PRODUCTS



### Biblock

Two-component, epoxy curing product in water dispersion for concrete with consolidating and anti-dust properties. Suitable for not absorbent substrates before the application of TRIBLOCK P.

#### TECHNICAL DATA:

Consistency: comp. A: thick liquid; comp. B: liquid. Colours: comp. A: straw yellow; comp. B: amber. Mixing ratio: comp. A : comp. B = 1 : 1.

Workability time: 30-40 minutes. Storage: 24 months.

**Application:** brush, roller or spray. **Consumption:** 0.10-0.15 kg/m<sup>2</sup>. Packaging: 2.5 kg + 2.5 kg drums.



### Eco Prim Grip

Ready-to-use bonding promoter and primer made from synthetic acrylic resin and silica inerts with a very low emission level of volatile organic compounds (VOC) for render, smoothing and levelling compounds and adhesives for ceramic tiles.



#### **TECHNICAL DATA:**

Consistency: creamy liquid.

Colour: grey.

Waiting time before applying render: 15-20 minutes.

Waiting time before applying smoothing

compounds: 30 minutes.

EMICODE: EC1 Plus - very low emission.

Storage: 12 months. Application: roller or brush. Consumption: 0.20-0.30 kg/m<sup>2</sup>. Packaging: 10 kg and 5 kg drums.



### Eco Prim PU 1K

One-component, solvent-free, moisture curing polyurethane primer with a very low emission level of volatile organic compounds (VOC) for consolidating and waterproofing cementitious screeds.



#### TECHNICAL DATA:

Consistency: liquid. Colour: brown.

Set to light foot traffic: after 9-10 hours.

Waiting time before laying parquet using reactive

adhesives: min. 24 hours, max. 3 days.

Waiting time before laying parquet or smoothing layer on surfaces sprinkled with quartz: 36 hours.

EMICODE: EC1 R - very low emission.

Storage: 12 months. Application: roller or brush. Consumption: 0.2-0.4 kg/m<sup>2</sup>. Packaging: 10 kg drums.



### Eco Prim PU 1K Turbo

One-component, solvent-free, moisture curing, rapid-drying polyurethane primer with a very low emission level of volatile organic compounds (VOC) for consolidating and waterproofing cementitious screeds.



### **TECHNICAL DATA:**

Consistency: liquid. Colour: brown.

Set to light foot traffic: 30-40 minutes.

Waiting time before laying parquet using reactive

adhesives: min. 2 hours, max. 24 hours.

Waiting time before laying parquet or smoothing

layer on surfaces sprinkled with quartz: 12-24 hours.

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

**Application:** roller or brush. **Consumption:** 0.2-0.4 kg/m² per coat.

Packaging: 10 kg drums.



### Eco Prim T

Solvent-free acrylic primer with a very low emission level of volatile organic compounds (VOC) for absorbent and non-absorbent substrates also with residual of old adhesives.

Suitable also as adhesion promoter for levelling compounds onto substrates threated with epoxy or polyurethane primers.



www.blauer-engel.de/uz113

#### TECHNICAL DATA:

Consistency: fluid liquid.

Colour: white.

Dilution rate: as is on non-absorbent surfaces, 1:1 or

1:2 on absorbent surfaces

Waiting time before applying smoothing

**compounds:** 1-5 hours according to the surrounding conditions and the absorption of the substrate.

EMICODE: EC1 Plus - very low emission.

Storage: 12 months. Application: roller or brush.

Consumption: 0.10-0.20 kg/m². Packaging: 5 and 20 kg tanks.



### **Eco Prim T Plus**

Solvent free, acrylic primer in water dispersion with very low emission of volatile organic compounds (VOC) for absorbent and non-absorbent substrates also with residual of old

Suitable also as adhesion promoter for levelling compounds onto substrates threated with epoxy or polyurethane primers.



www.blauer-engel.de/uz113



#### TECHNICAL DATA:

Consistency: liquid. Colour: light blue.

Dilution rate: undiluted on non-absorbent substrates,

1:1 or 1:2 on absorbent substrates.

Waiting time before applying the adhesive or the smoothing compound over: from 2 to 5 hours depending on the surrounding conditions and the

absorbency of the substrate. **EMICODE:** EC1 Plus - very low emission.

Storage: 24 months.

Application: with a brush or a roller. Consumption: 0.10-0.20 kg/m<sup>2</sup>. Packaging: 20 and 5 kg tanks.



### Eco Prim VG

Solvent free ready to use acrylic primer in water dispersion with very low emission level of volatile organic compounds (VOC). Suitable for preparing absorbent or porous substrates prior to installing selfadhesive and tack-dry loose lay LVT or MAPESONIC SA 4 LVT.



www.blauer-engel.de/uz113



### TECHNICAL DATA:

Consistency: fluid liquid..

Colour: light blue.

Application temperature range: from +5°C to +35°C.

Drying time: 15-20 minutes.

Waiting time before applying the adhesive or the

smoothing compound over: 2-3 hours. EMICODE: EC1 Plus - very low emission.

Storage: 12 months.

Application: roller or brush.

Consumptions: 0.10-0.20 kg/m<sup>2</sup> depending on the porosity of the substrate and on how it is applied.

Packaging: 5 and 10 kg tanks.



### **Eporip**

Two-component, solvent-free epoxy adhesive for monolithic sealing cracked screeds.



### TECHNICAL DATA:

Consistency: comp. A: fluid paste;

comp. B: fluid paste.

Colours: comp. A: black; comp. B: white. Mixing ratio: comp. A : comp. B = 3 : 1.

Setting time: 24 hours.
Workability time: 60 minutes.

Open time: 5 hours. Storage: 24 months.

Application: brush, trowel or by pouring.

Consumption: 1.35 kg/dm<sup>3</sup>. Packaging: 2 kg and 10 kg kits.



### 3. PRIMERS, BONDING PROMOTERS, CONSOLIDATING AND WATERPROOFING PRODUCTS



### Eporip SCR

Two-component rapid-hardening silicate-urethane resin for sealing cracks and joints and carrying out small repairs.



Consistency: comp. A: liquid; comp. B: liquid. Mixing ratio (in volume): comp. A: comp. B = 1:1. Setting time: 45 mins. Workability time: 10-12 mins.

Storage: 12 months.

Application: extruded through nozzle on can. Packaging: boxes containing 6 (A+B) kits (comp. A: 300 ml; comp. B: 300 ml).



### Eporip Turbo

Two-component, quick-hardening polyester resin for monolithic sealing cracked screeds.



Consistency: comp. A: fluid paste; comp. B: fluid

Colours: comp. A: grey; comp. B: white. Mixing ratio: comp. A : comp. B = 500 : 8.

Setting time: 20-30 minutes. Workability time: 7 minutes. Storage: 12 months. Application: pouring.

Consumption: 1.7 kg per dm<sup>3</sup> of filled cracks. Packaging: 508 g metal cans (component A: 500 g;

component B: 8 g).



### Livigum

Syntetic-resin based admixture in water dispersion to be added to cementitious mortar and smoothing compounds to improve mechanical performances and adhesions.

### Mixing ratio:

1. Preparation of skim layers and render up to 10 mm thick. Dilute LIVIGUM with water at a ratio of 1:2. Use this solution to mix the aggregates and cement.

2. Preparation of skim layers and render up to 20 mm thick. Dilute LIVIGUM with water at a ratio of 1:3. Use this solution to mix the aggregates and cement.

3. Admixture for PIANOCEM M. Partially replace the mixing water with 1.5-2 kg of LIVIGUM every 25 kg

4. Primer for cementitious substrates. Dilute 1 part of LIVIGUM with 3-5 parts of water, according to the absorption of the substrate.

**Consumption**: 60-90 g/m<sup>2</sup> per mm of skimming; 1,5-2 kg bag of PIANOCEM M.

Packaging: 25 kg tanks.



### Malech

Water-based acrylic undercoat and bonding promoter with a smooth finish.

### **TECHNICAL DATA:**

Consistency: fluid liquid. Colour: transparent.

Density (EN ISO 2811-1) (g/cm³): approx. 1.01. Dry solids content: (EN ISO 3251) (%): approx. 15.

**Dilution rate:** ready-to-use; 30-50% of water for surfaces with low absorbency.

Waiting time before applying other products: 24 hours

Application temperature range: from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: roller, brush or spray. Consumption: 0.10-0.15 (kg/m<sup>2</sup>). Packaging: 2 and 10 kg.



Mapecoat I 600 W

Two-component transparent epoxy primer in water dispersion.

TECHNICAL DATA: Consistency of mix: fluid.

Colour of mix: opaline.

Mixing ratio: comp. A: comp. B = 2.3 : 3.6.

Workability time: 2-3 hours.

Dust dry at +23°C and 50% R.H.: 3-4 hours (first

coat); 6-8 hours (second coat). Final hardening time: 7 days.

Application temperature range: from +8°C to +35°C. Storage: 24 months in its original sealed packaging.

Application: roller, spray or airless spray.

Consumption: 300-500 g/m², depending on the

absorbency rate of diluted product.

Packaging: 5.9 kg kits and 11.8 kg kits (A + B).



### Mapecoat I 600 W Lucido

Two-component, shiny, transparent epoxy primer in water dispersion.

#### TECHNICAL DATA:

Consistency of mix: fluid. Colour of mix: opaline.

Mixing ratio: comp. A: comp. B = 2.3:3.6.

Workability time: 2-3 h. Dust dry at +23°C - 50% R.H.:

- 3-4 h (first coat);

- 6-8 h (second coat).

Final hardening time: 7 days.

Application temperature range: from +8°C to +35°C. Storage: 24 months in its original sealed packaging. Application: roller, spray or airless spray.

Consumption: 300-500 g/m², depending on the absorbency rate of diluted product.

Packaging: 5.9 kg kits (A + B).



### **Planicrete**

Synthetic rubber latex to improve adhesion and performances of cement mixes and prepare bonding slurries for screeds.

### **TECHNICAL DATA:**

Consistency: fluid liquid. Dry solids content: 36%. Storage: 24 months.

Consumption:

- for adhesive slurry: 100-150 g/m<sup>2</sup>;

- to prepare screeds and render: 50-80 kg/m<sup>3</sup>.

Packaging: 5, 10 and 25 kg tanks and 12x1 kg



### Primer 3296

Acrylic primer in water dispersion with high penetration, consolidating and antidust properties for screeds.

### **TECHNICAL DATA:**

Consistency: liquid.

Colour: opaline.
Dilution ratio: as is, 1: 1 or 1:2 according to the

absorption of the substrate.

Drying time: 1-5 days.
Waiting time before laying with vinyl adhesive:

when dry. **Storage:** 12 months. **Application:** brush, roller or watering can.

Consumption: 0.1-0.5 kg/m<sup>2</sup>. Packaging: 5 and 10 kg drums.

### 3. PRIMERS, BONDING PROMOTERS, CONSOLIDATING AND WATERPROOFING PRODUCTS



### Primer BI

Synthetic resin primer in solvent, specific for improving adhesion of polyurethane coating products (from the PURTOP range) on existing bituminous membranes.

### **TECHNICAL DATA:**

Colour: transparent.

Consistency: fluid liquid.

Density according to EN ISO 2811-1 (g/cm³): 0.96.

Dry solids content (%): 10.

Storage: 24 months in its original sealed packaging.

Application temperature range: from +5°C to +35°C.

Ready for painting over: 2-4 hours.

Drying time: 5-6 hours at +20°C.

Consumption: 0.20 kg/m<sup>2</sup> per coat, depending on the

type of the substrates. Packaging: 10 kg.



### Primer EP

Two-component epoxy primer in solvents for consolidating and waterproofing cementitious screeds and industrial floors.

#### TECHNICAL DATA:

Minimum waiting time: 24 hours according to the

porosity of the substrate. Consistency: liquid. Colour: transparent.

Mixing ratio: comp. A : comp. B = 1 : 1.

Workability time: 4-5 hours. Storage: 24 months.

Application: brush, roller or watering can.

Consumption: 0.5-0.7 kg/m<sup>2</sup>. Packaging: 5+5 kg drums.



### **Primer EP Rustop**

Two-component epoxy primer for metal surfaces

### TECHNICAL DATA:

Mixing ratio: comp. A: comp B. = 100: 30.

Colour of mix: white. Consistency of mix: liquid. Dry substances content (%): 70. Density of mix (kg/m³): 1,100.

Viscosity of mix (mPa·s): 500 (# 3 - 50 rpm). Workability time: 15-20 minutes at +20°C. Surface temperature: at least +10°C.

Pot life: 6 h at +20°C

Varnishing: after 6-8 h at +20°C. Dusty dry: after 2 h at +20°C. Final hardening time: 24 h.

Storage: 12 months in its original sealed packaging. Application: by brush, roller or airless spray system.

Consumption: 0.2 kg/m<sup>2</sup>. Packaging: 5 kg kits (A + B).



### Primer G

Synthetic resin primer in water dispersion with a very low content of volatile organic compounds (VOC).



### **TECHNICAL DATA:**

Consistency: liquid.

Colour: blue.

Dilution rate: from 1:1 to 1:3 with water according to the absorption of the substrate.

**Drying time:** 2 hours according to the dilution rate

and the absorption of the substrate.

Application: brush.

EMICODE: EC1 Plus - very low emission.
Storage: 24 months. Protect from frost.
Consumption: 0.1-0.2 kg/m² according to use. Packaging: 5, 10 and 25 kg drums and 12x1 kg

boxes.



### **Primer G Conductive**

Dark-coloured, solvent-free conductive synthetic resin primer in water dispersion.

TECHNICAL DATA: Consistency: liquid. Colour: black.

Drying time: minimum 2 hours.
Electrical resistance: 50,000 ohm.
Storage: 24 months. Protect from frost.

Application: brush.

Consumption: 0.1-0.15 kg/m<sup>2</sup>. Packaging: 10 kg drums.



### Primer KL

Bonding promoter in solvent for twocomponent epoxy, epoxy-polyurethane and polyurethane adhesives and thinner for PRIMER MF.

#### **TECHNICAL DATA:**

Consistency: liquid. Colour: pinky transparent.

**Dilution rate:** PRIMER KL: PRIMER MF = 1: 6.

Drying time: 5 minutes. Storage: 12 months. Application: cotton rag. Consumption: 0.3-0.4 kg/m<sup>2</sup>.

Packaging: boxes of 12x0.8 litre bottles and 8 kg

metal drums.



### **Primer M**

One-component, solvent-free primer for polyurethane sealants, for use on absorbent and non-absorbent surfaces.

### TECHNICAL DATA:

Consistency: liquid. Colour: brown. Inflammable: no.

Application temperature: from +5°C to +35°C.

Drying time: 40 minutes. Storage: 12 months. Application: brush.

Consumption: 5-10 g/m (for a 1 cm deep joint). Packaging: 250 g bottles, 2 kg metallic drums.



### **Primer MF**

Two-component, solvent-free epoxy primer used as bonding promoter for products from the MAPEFLOOR range, for consolidating and waterproofing against residual damp on cementitious substrates and as anti-dust impregnator on concrete floors.

### **TECHNICAL DATA:**

Consistency: liquid. Colour: transparent yellow.

Mixing ratio: comp. A : comp. B = 3 : 1.

Waiting time before laying floors or applying smoothing compound: 24-48 hours according to the surrounding temperature.

Workability time: 90 minutes.

Storage: 24 months. Application: brush.

**Consumption:** 0.20-0.30 kg/m<sup>2</sup>.

Packaging: 1 kg (A+B) and 6 kg (A+B) units.

### 3. PRIMERS, BONDING PROMOTERS, CONSOLIDATING AND WATERPROOFING PRODUCTS



### Primer MF EC Plus

Two-component, solvent-free, lowviscosity, epoxy primer with a very low emission level of volatile organic compounds for consolidating and waterproofing cementitious substrates.



#### **TECHNICAL DATA:**

Consistency: liquid. Colour: transparent yellow.

Mixing ratio: comp. A : comp. B = 4 : 1.

Waiting time before laying floors or applying smoothing compound: 24 hours.

Workability time: 40 minutes.
EMICODE: EC1 R Plus - very low emission.

Storage: 24 months.

Application: roller, brush or flat trowel. Consumption: 0.2-0.3 kg/m<sup>2</sup> per coat.

Packaging: 5 kg units (A + B).



### Primer P

One-component primer for sealants applied on plastics.



Application of sealant: after 20'.

Colours: transparent. Application: brush.

Consumption: 5-10 g/m (for a 1 cm deep joint).

Packaging: 150 g canisters.



### **Primer P1**

One-component solvent-based primer for polyurea coatings (from the PURTOP line) on plastic surfaces such as PVC.

### TECHNICAL DATA:

Consistency: transparent liquid.

Colour: yellowish. Density (g/cm<sup>3</sup>): 0.86. Dry solids content (%): 10.

Viscosity (mPa·s): approx. 33 (No. 1 rotor, 100 rpm).

Application temperature: +5°C to +35°C.

Recoat time (mins.): 30 to 60. Consumption: 0.1-0.2 kg/m<sup>2</sup>. Packaging: 50 kg tanks.



### **Primer P2**

One-component solvent-based primer for polyurea coatings (from the PURTOP line) on plastic surfaces such as TPO.

### TECHNICAL DATA:

Consistency: transparent liquid.

Colour: yellowish. Density (g/cm³): 0.89. Dry solids content (%): 10.

Viscosity (mPa·s): approx. 22 (No. 1 rotor, 100 rpm). Application temperature: +5°C to +35°C.

Recoat time (mins.): 30 to 60. Consumption: 0.1-0.2 kg/m<sup>2</sup>. Packaging: 50 kg tanks.



### **Primer P3**

Two-component solvent-based polyurethane primer for products from the PURTOP line.

#### TECHNICAL DATA:

Consistency: comp. A liquid; comp. B liquid. Colour: comp. A transparent yellow; comp. B dark

Density (g/cm³): comp. A 0.9÷1.1; comp. B 0.9÷1.2. Dry solids content (%): comp. A approx. 90; comp. B 100.

Viscosity (mPa·s): comp. A 350÷500 (needle 2, 50 rpm); comp. B 70÷110 (needle 1, 100 rpm).

A/B ratio (in weight): 100/37.

Application temperature: +5°C to +35°C. Workability time (mins.): approx. 30.

Recoat time for polyurethane finishes (h): 4. Recoat time for bitumen membranes (h): 2-4.

Consumption: 0.1-0.2 kg/m<sup>2</sup>

Packaging: 5+1.20 kg units (A+B); 1.24 kg units.



### **Primer PU60**

Moisture curing polyurethane resin for consolidating and waterproofing damp screeds.

#### TECHNICAL DATA:

Consistency: liquid. Colour: brown.

Dilution ratio: from 25 to 100% with THINNER PU. Set to light foot traffic: 3-8 hours according to dilution ratio.

Hardening time: 24 hours.

Waiting time before laying with reactive adhesive:

2-7 days.

Storage: 12 months.

**Application:** brush, roller or watering can. **Consumption:** 0.4-1.2 kg/m<sup>2</sup>.

Packaging: 10 kg drums.



**Primer S** 

Waterproofing primer in water dispersion.

### **TECHNICAL DATA:**

Consistency: liquid. Colour: pink.

Waiting time between each coat: 20-30 minutes.

Waiting time before laying coating:

approx. 12 hours.

Application: brush or roller.

Storage: 24 months. Protect from frost. Consumption: 0.1 kg/m<sup>2</sup> per coat.

Packaging: 5 kg bottles.



Primer SN

Two-component epoxy primer with

May be coloured with MAPECOLOR PASTE.



### **TECHNICAL DATA:**

Mixing ratio: component A: component B = 80: 20.

Colour of mix: neutral.

Consistency of the mix: viscous fluid. Density of mix (kg/m³): 1500.

Viscosity of the mix (mPa·s): 1,100  $\pm$  100 (# 3 - rpm 50). Pot life: 30 min.

Application temperature range: from +8°C to +35°C. Dust dry at +23°C and 50% R.H.: 6 hours. Set to light foot traffic at +23°C and 50% R.H.:

24 hours.

Final setting time: 7 days.

Storage: 24 months in its original sealed packaging. Application: flat American trowel or smooth trowel. **Consumption:** 0.3-0.7 kg/m<sup>2</sup> per coat, depending on the absorbency and characteristics of the substrate.

Packaging: 20 kg kits (A+B); 5 kg kits (A+B).

## 3. PRIMERS, BONDING PROMOTERS, CONSOLIDATING AND WATERPROOFING PRODUCTS



**Prosfas** 

Water-based, solvent-free consolidator with high penetration properties for cementitious substrates.

**TECHNICAL DATA:** 

Consistency: liquid.
Colour: transparent.

**Drying time:** according to the absorbency of the

substrate.

Storage: 24 months. Protect from frost. **Application:** brush, flat brush or roller **Consumption:** 0.5-0.7 kg/m<sup>2</sup>.

Packaging: 25 kg tanks.



Quartz 1.2

Calibrated silica sand to improve the bond on resin or epoxy primers.

TECHNICAL DATA:

Colours: grey - beige. Grain size: 0.7-1.2. Packaging: 25 kg bags.



Thinner for adhesives

**N.B.** Packaging approved according to ADR as specified in Ministerial Decree 22/2/1990.



**Thinner PU** 

Thinners for PRIMER PU60.

**TECHNICAL DATA:** 

Consistency: liquid. Colour: transparent. Inflammable: yes. Storage: 12 months.

**Consumption:** 0.25-1 litre per litre of PRIMER PU60 according to dilution rate considered.

Packaging: 9 kg drums.

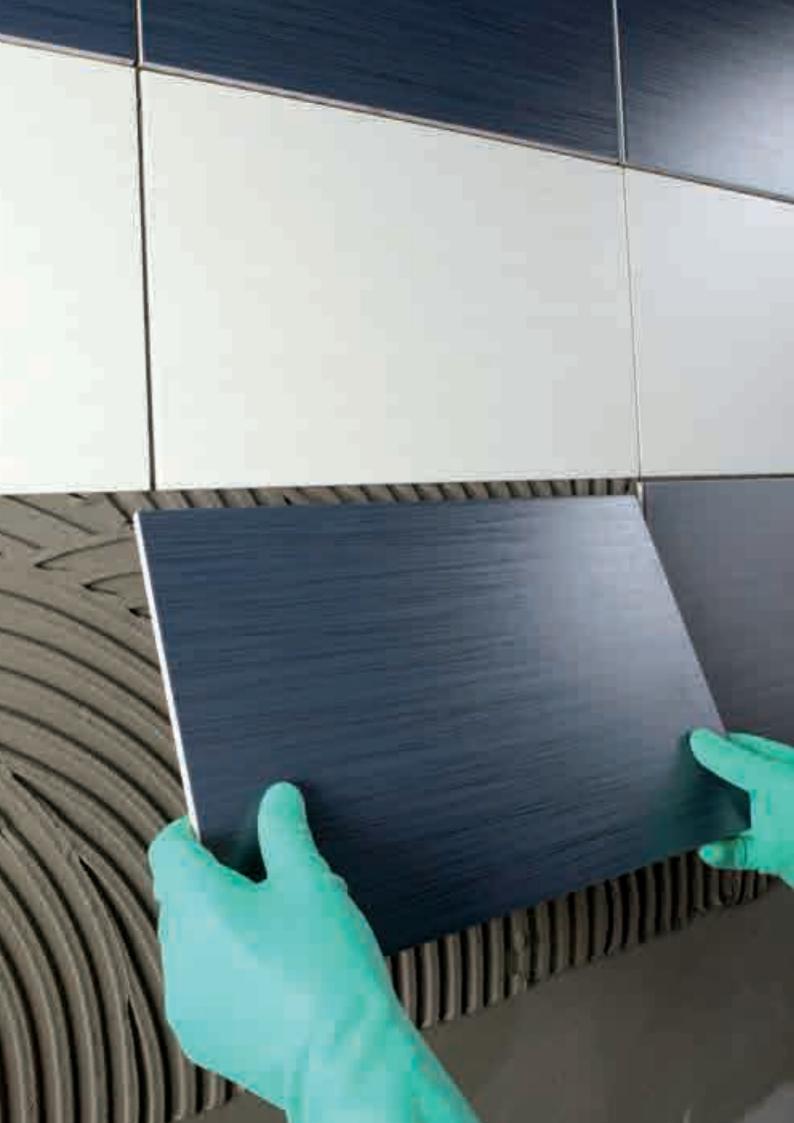


## Triblock P

Three-component epoxy-cementitious primer for non-absorbent waterproofing damp substrates.

TECHNICAL DATA:
Consistency: comp. A liquid; comp. B liquid; comp. C powder.
Colours: comp. A white; comp. B white; comp. C white.
Mixing ratio:

Mixing ratio:
comp. A : comp. B : comp. C = 12 : 38 : 50.
Workability time: 30-40 minutes.
Waiting time between first and second coat:
4-6 hours.
Waiting time before laying floors or applying smoothing compound: 18 hours.
Maximum waiting time before laying floors or applying smoothing compound: 7 days.
Storage: 24 months.
Application: brush or roller.
Consumption: 0.5 kg/m².
Packaging: 5 kg drums (A+B+C).



# ADHESIVES FOR CERAMIC TILES AND STONE MATERIAL

## 4. ADHESIVES FOR CERAMIC TILES AND STONE MATERIAL

### 4.1 Hydraulic binder based adhesives



## Adesilex P4

High-performance, self-buttering, quick-setting grey cementitious adhesive for ceramic tiles and stone material (thickness of adhesive from 3 to 20 mm).

N.B. May also be used for smoothing internal and external surfaces.



#### TECHNICAL DATA:

Where to use: floors only.

Pot life of mix: more than 60 minutes.

Open time: 20 minutes.

Waiting time before grouting: 4 hours. Set to light foot traffic: approx. 4 hours. Ready for use: approx. 24 hours.

Colour: grey.

Application: N° 6 or 10 notched rounded trowel. **EMICODE:** EC1 R Plus - very low emission.

Storage: 12 months Consumption: 4-10 kg/m<sup>2</sup>. Packaging: 25 kg bags.









## Adesilex P9

High-performance cementitious adhesive with no vertical slip and extended open time for ceramic tiles and stone materials (layer of adhesive up to 5 mm). The white version has very high white balance and excellent workability.



#### TECHNICAL DATA:

Pot life of mix: more than 8 hours. Open time: ≥ 30 minutes. Waiting time before grouting:

- on walls: 4-8 hours;

- on floors: 24 hours.

Set to light foot traffic: approx. 24 hours.

Ready for use: approx. 14 days.

Colours: grey and white.

Application: N° 4, 5 or 6 notched trowel. **EMICODE:** EC1 R Plus - very low emission. Storage: 12 months (25 kg bags), 24 months

(5 kg bags).

Consumption: 2-5 kg/m<sup>2</sup>.

Packaging: 25 kg bags and 4x5 kg boxes.



## Adesilex P9 **Express**

High performance, rapid-setting cementitious adhesive with extended open time for bonding ceramic tiles.













#### TECHNICAL DATA:

Pot life of mix: 45 minutes. Open time: 20 minutes. Waiting time before grouting:

– walls: 4 hours:

- floors: 4 hours.

Set to foot traffic: approx. 4 hours. Ready for service: approx. 24 hours.

Colours: grey and white.

Application: N° 4, 5, 6 or 10 notched spreader. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months. Consumption: 2.5-5 kg/m<sup>2</sup>. Packaging: 25 kg bags.



## Adesilex P10

High-performance, white cementitious adhesive with no vertical slip and extended open time for glass mosaic, ceramic and marble coatings (thickness of adhesive up to 5 mm).







#### **TECHNICAL DATA:**

Pot life of mix: more than 8 hours. Open time: ≥ 30 minutes. Waiting time before grouting:

- on walls: 4-8 hours:

- on floors: 24 hours.

Set to foot traffic: approx. 24 hours. Ready for service: approx. 14 days.

Colours: grey and white.

**Application:** N° 4, 5 or 6 notched spreader. **EMICODE:** EC1 R Plus - very low emission.

Storage: 12 months. Consumption: 2-5 kg/m<sup>2</sup>.

Packaging: 25 kg bags and 4x5 kg Alupack boxes.



## Elastorapid

Two-component, high-performance, highly-deformable, quick-setting and drying cementitious adhesive with no vertical slip and extended open time for ceramic tiles and stone material (thickness of adhesive up to 10 mm).





Pot life of mix: 60-75 minutes. Open time: ≥ 30 minutes.

Waiting time before grouting: 3 hours.

Set to light foot traffic: approx. 2-3 hours.

Ready for use: approx. 24 hours (3 days for basins and

swimming pools). Deformability according to EN 12004: S2 - highly

deformable.

Colours: grey and white.

Application: N° 4, 5, 6 or 10 notched trowel.

Storage: comp. A: 12 months; comp. B: 24 months.

Protect from frost.

Consumption: 3-8 kg/m<sup>2</sup>.

Packaging: ELASTORAPID white: 31.25 kg kit comp. A: 25 kg / comp. B: 6.25 kg. ELASTORAPID grey: 31.25 kg kit comp. A: 25 kg / comp. B: 6.25 kg.



## Granirapid

Two-component, high-performance, deformable, quick-setting and drying cementitious adhesive for ceramic tiles and stone material (thickness of adhesive up to 10 mm).



#### **TECHNICAL DATA:**

Consistency: comp. A: powder; comp. B: thick liquid. Mixing ratio: comp. A: 25 kg + comp. B: 5.5 kg.

Pot life of mix: 45 minutes

Application temperature range: from +5°C to +30°C.

Open time: 20 minutes

Setting time: 2 hours.
Set to light foot traffic: 3-4 hours.
Ready for use: 24 hours.
Colours available: grey and white.
EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

**Application:** N° 4, 5, 6 or 10 notched trowel. **Consumption:** 3-8 kg/m<sup>2</sup>.

Packaging: GRANIRAPID white: 28 kg kit GHANIHAPID write: 28 kg kg component A: 22.5 kg bag component B: 5.5 kg drum GRANIHAPID grey: 30.5 kg kit component A: 25 kg bag component B: 5.5 kg drum.





Elasticising latex mixed with KERABOND, KERABOND T and ADESILEX P10. When KERABOND. KERABOND T and KERABOND PLUS are mixed with ISOLASTIC they form a high-performance, highly deformable adhesive with extended open time (C2E/S2)

When ADESILEX P10 is mixed with ISOLASTIC (dilution rate 1:1 with water), it forms a high-performance, highly deformable adhesive with extended open time (C2E/S1).



# TECHNICAL DATA OF KERABOND/KERABOND T/ KERABOND PLUS+ISOLASTIC:

Pot life of mix: more than 8 hours.

Open time: 20 minutes.

Waiting time before grouting:

- on walls: 4-8 hours;

- on floors: 24-36 hours.

Set to light foot traffic: 24-36 hours.

Ready for use: approx. 14 days.

Deformability according to EN 12004: S2 - highly deformable (ADESILEX P10 + ISOLASTIC diluted 1:1 with

deformable (ADESILEX PT0 + ISOLASTIC diluted 1:11 with water - S1 deformable). **Application:** KERABOND/KERABOND T/KERABOND PLUS + ISOLASTIC: N° 4, 5 or 6 notched trowel.

ADESILEX P10/SOLASTIC diluted 1:1 with water:

N° 4, 5 or 6 notched trowel. **Storage:** 24 months. Protect from frost.

Consumption: 1-2 kg/m<sup>2</sup>.

Packaging: 5 and 25 kg drums and 12x1 kg boxes.



## Kerabond

Cementitious adhesive for ceramic tiles (thickness of adhesive up to 5 mm).



#### **TECHNICAL DATA:**

Pot life of mix: more than 8 hours.

Open time: 20 minutes. Waiting time before grouting:

- on walls: 4-8 hours:

- on floors: 24 hours.

Set to light foot traffic: approx. 24 hours.

Ready for use: approx. 14 days.

Colours: grey and white.

Application: N° 4, 5 or 6 notched trowel. EMICODE: EC1 R Plus - very low emission. Storage: 12 months (25 kg bags), 24 months

(5 kg bags).

Consumption: 2-5 kg/m<sup>2</sup>.

Packaging: 25 kg bags and 4x5 kg Alupack boxes.







## 4. ADHESIVES FOR CERAMIC TILES AND STONE MATERIAL



## Kerabond Plus

High-performance cementitious adhesive with extended open time for ceramic tiles and stone materials.



#### TECHNICAL DATA:

Pot life of mix: more than 8 hours. Open time: ≥ 30 minutes. Waiting time before grouting:

– on walls: 4-8 hours;

- on floors: 24 hours.

Set to foot traffic: approx. 24 hours. Ready for service: approx. 14 days.

Colours: grey and white.

Application: N° 4, 5 or 6 notched spreader.

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months. Consumption: 2-5 kg/m<sup>2</sup>. Packaging: 25 kg bags.







Cementitious adhesive with no vertical slip for ceramic tiles (thickness of adhesive up to 5 mm).



#### TECHNICAL DATA:

Pot life of mix: more than 8 hours.

Open time: 20 minutes. Waiting time before grouting:

- on walls: 4-8 hours;

- on floors: 24 hours.

Set to light foot traffic: approx. 24 hours.

Ready for use: approx. 14 days.

Colours: grey and white.

Application: N° 4, 5 or 6 notched trowel. **EMICODE:** EC1 R Plus - very low emission.

Storage: 12 months. Consumption: 2-5 kg/m<sup>2</sup>.

Packaging: 25 kg bags and 4x5 kg boxes.



## Keracrete

Synthetic latex rubber mixed with sand and cement (thickness up to 5 mm).



TECHNICAL DATA:
Pot life of mix: 90 minutes.

Open time: 20 minutes.

Waiting time before grouting: – on walls: 4-6 hours;

on floors: 24 hours

**Set to light foot traffic:** approx. 3 days. **Ready for use:** approx. 14 days (21 days for basins and

Ready for use: approx. 14 days (21 days for basins and swimming pools).

Application: N° 5 or 6 or 10 notched trowel.

Mixing ratio: 1 part by weight of KERACRETE, 2 parts by weight of cement (class 32.5), 2 parts by weight of sand; or 1 part by weight of KERACRETE, 1.5 parts by weight of cement (class 42.5), 2 parts by weight of sand; or alternatively 1 part by weight of KERACRETE, 1 part by weight of cement (class 52.5) and 2 parts by weight of sand.

Storage: 24 months. Protect from frost.

Consumption: 0.5-1 kg/m².

Packaging: 25 kg drums.

Packaging: 25 kg drums.



### Keraflex

High-performance cementitious adhesive with no vertical slip and extended open time for ceramic and stone tiles (thickness of adhesive up to 5 mm).



#### **TECHNICAL DATA:**

Pot life of mix: more than 8 hours.

Open time: ≥ 30 minutes. Waiting time before grouting:

- on walls: 4-6 hours:

- on floors: 24 hours.

Set to light foot traffic: approx. 24 hours.

Ready for use: approx. 14 days.

Colours: grey and white.

Application: N° 4, 5 or 6 notched trowel.

EMICODE: EC1 R Plus - very low emission. Storage: 12 months (25 kg bags), 24 months

(5 kg bags).

Consumption: 2-5 kg/m<sup>2</sup>.

Packaging: 25 kg bags and 4x5 kg Alupack boxes.









## Keraflex Easy S1

Easy-to-apply high-performance deformable cementitious adhesive with extended open time and high wetting capacity for ceramic tiles and stone materials. With very low emission of volatile organic compounds. Particularly recommended for bonding porcelain tiles on large spreads of flooring; applied in layers up to 10 mm thick.



#### TECHNICAL DATA:

Pot life of mix: more than 8 hours.

Open time: 30 mins.

Waiting time before grouting:

- on walls: 4-6 hours: on floors: 24 hours.

Set to foot traffic: approx. 24 hours. Ready for service: approx. 14 days.

Colours: grey and white.

Application: N° 4, 5, 6 or 10 notched spreader.

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months. Consumption: 2-5 kg/m<sup>2</sup>. Packaging: 25 kg bags.





## Keraflex Maxi S1

High-performance, deformable cementitious adhesive with no vertical slip, extended open time, excellent workability and Low Dust technology for ceramic tiles, particularly recommended for bonding large porcelain and natural stone tiles (thickness of adhesive from 3 to 15 mm). With very emission of volatile organic compounds.



#### TECHNICAL DATA:

Pot life of mix: more than 8 hours.

Open time: > 30 minutes. Waiting time before grouting:

- on walls: 4-8 hours;

on floors: 24 hours.

Set to foot traffic: approx. 24 hours. Ready for service: approx. 14 days.

Deformability according to EN 12004:

S1 - deformable. Colour: white.

Application: N° 4, 5, 6 or 10 notched spreader.

**EMICODE:** EC1 R Plus - very low emission.

Storage: 12 months.

Consumption: 1.2 kg/m<sup>2</sup> per mm of thickness.

Packaging: 23 kg bags.



#### Keraflex Maxi S1 Zerø

High-performance cementitious grey adhesive with no vertical slip, with Low Dust technology, extended open time and deformable with excellent workability. Suitable for laying largesized ceramic tiles and stone material, with very low emission level of volatile organic compounds and offset residual greenhouse gas emissions.









#### TECHNICAL DATA:

Pot life of mix: more than 8 hours.

Open time: > 30 minutes.

Waiting time before grouting: on walls: 4-8 hours;

on floors: 24 hours.

Set to light foot traffic: approx. 24 hours.

Ready for use: approx. 14 days

Deformability according to EN 12004: S1 - deformable.

Colours: grey.

Application: N° 4, 5, 6 or 10 notched trowel. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Consumption: 1.2 kg/m<sup>2</sup> per mm of thickness.

Packaging: 25 kg bags.



## Keraguick Maxi S1

High-performance, deformable, rapid-setting and hydrating, non-slip cementitious adhesive with very low emission of volatile organic compounds for ceramic tiles and in particular for stone, including large formats. Suitable for application in layers up to 15 mm thick.











#### **TECHNICAL DATA:**

Pot life of mix: 45 minutes.

Open time: 20 minutes.

Waiting time before grouting: 2-3 hours. Set to foot traffic: approx. 2-3 hours.

**Ready for service:** approx. 24 hours (3 days for tubs and swimming pools).

Deformability according to EN 12004:

S1 - deformable.

Colours: grey and white.

Application: N° 4, 5, 6 or 10 notched trowel. **EMICODE:** EC1 R Plus - very low emission. Storage: 12 months (23 kg and 25 kg bags),

24 months (5 kg bags).

**Consumption:** 1.2 kg/m<sup>2</sup> per mm of thickness. **Packaging:** 23 kg and 25 kg bags and boxes of

4x5 kg Alupack.

## 4. ADHESIVES FOR CERAMIC TILES AND STONE MATERIAL



#### Keraset

Cementitious adhesive for ceramic tiles (thickness of adhesive up to 5 mm).



**TECHNICAL DATA:** Pot life of mix: 6-8 hours.

Open time: 20 minutes. Waiting time before grouting:

- on walls: 3-6 hours; - on floors: 24 hours.

Set to light foot traffic: approx. 24 hours. Ready for use: approx. 14 days.

Colours: grey and white.

Application: N° 4, 5 or 6 notched trowel.

EMICODE: EC1 R Plus - very low emission.

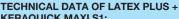
Storage: 12 months. Consumption: 2-5 kg/m<sup>2</sup>. Packaging: 25 kg bags.





## Latex Plus

Elasticising latex mixed with KERAQUIČK MAXI S1. When KERAQUICK MAXI S1 is mixed with LATEX PLUS it forms a high-performance, quick-setting, highly-deformable adhesive (C2F/S2).



**KERAQUICK MAXI S1:** Pot life of mix: 45 minutes. Open time: 20 minutes.

Waiting time before grouting: 2-3 hours. Set to light foot traffic: approx. 2-3 hours.

Ready for use: approx. 24 hours. (3 days for basins and swimming pools).

Deformability according to EN 12004: S2 - highly

deformable.

Application: N° 4, 5, 6 or 10 notched trowel. Storage (LATEX PLUS): 24 months. Protect from

Consumption: to be calculated according to the amount of KERAQUICK MAXI S1 mixing ratio.

Packaging: 10 kg drums.



## **Tixobond White**

High-performance, ultra-white cementitious adhesive with no vertical slip and long open time for ceramic tiles (thickness of adhesive up to 15 mm).



#### TECHNICAL DATA:

Pot life of mix: more than 8 hours.

Open time: 30 minutes. Waiting time before grouting:

- on walls: 4-8 hours; - on floors: 24 hours.

Set to light foot traffic: 24 hours.

Ready for use: approx. 14 days.

Colour: white.

Application: N° 4, 5, 6 or 10 notched trowel. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Consumption: 1.2 kg/m<sup>2</sup> per mm of thickness.

Packaging: 25 kg bags.



### **Ultralite Flex**

One-component, high-performance lightweight cementitious adhesive with moderate deformability, no vertical slip, extended open time, Low Dust technology, very high yield, good trowellability and high wetting capacity for ceramic tiles, stone material and thin porcelain tiles.











#### TECHNICAL DATA:

Pot life of mix: more than 8 hours.

Open time: > 30 minutes.

Waiting time before grouting: 4-8 hours. Set to foot traffic: 24 hours.

Ready for service: 14 days.
Colour: white or grey.
Application: N° 4, 5, 6 or 10 notched trowel.
EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Consumption: 0.8 kg/m<sup>2</sup> per mm of thickness,

equivalent to 1.5-2.5 kg/m<sup>2</sup>. Packaging: 15 kg bags.



#### **Ultralite S1**

One-component, high-performance, deformable, lightweight cementitious adhesive with no vertical slip, long open time, Low Dust technology and extremely high yield easy to apply by trowel, for ceramic tiles and stone









#### TECHNICAL DATA:

Pot life of mix: more than 8 hours. Open time: > 30 minutes.

Waiting time before grouting: – on walls: 4-8 hours:

- on floors: 24 hours. Set to light foot traffic: approx. 24 hours. Ready for use: approx. 14 days.

Deformability according to EN 12004: S1 deformable.

Colour: grey and white.

Application: N° 4, 5, 6 or 10 notched trowel. **EMICODE:** EC1 R Plus - very low emission.

Storage: 12 months. Consumption: 1.5-2.5 kg/m<sup>2</sup>. Packaging: 15 kg bags.



## **Ultralite S1 Quick**

One-component, high-performance, deformable, lightweight, rapid-setting and hydrating cementitious adhesive with no vertical slip, good trowelability, high wetting capacity and very high yield, for ceramic tiles, stone and thin porcelain tiles.









#### TECHNICAL DATA:

Pot life of mix: 50 minutes. Open time: ≥ 20 minutes. Grouting of joints: - on walls: after 2-3 hours.

- on floors: after 2-3 hours. Set to light foot traffic: 2-3 hours.

Ready for use: 24 hours.

Colours: grey and white.

Application: N° 4, 5, 6 or 10 notched trowel. Deformability according to EN 12004:

S1 - deformable. Storage: 12 months. Consumption: 1.5-2.5 kg/m<sup>2</sup>. Packaging: 15 kg bags.



## **Ultralite S2**

One-component, high-performance, highly-deformable, lightweight cementitious adhesive with extended open time, very high yield, easy to trowel and good buttering capacity, for ceramic tiles and stone, ideal for thin porcelain











#### TECHNICAL DATA:

Pot life of mix: more than 8 hours. Open time: > 30 minutes.

Waiting time before grouting:

- on walls: 4-8 hours; - on floors: 24 hours.

Set to light foot traffic: approx. 24 hours.

Ready for use: approx. 14 days Deformability according to EN 12004: S2 - highly

deformable.

Colour: grey and white.

Application: n° 4, 5, 6 or 10 notched trowel. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Consumption: 0.8 kg/m<sup>2</sup> per mm of thickness,

equivalent to 1.5-2.5 kg/m<sup>2</sup>. Packaging: 15 kg bags.



## **Ultralite S2 Quick**

One-component, high-performance, highly-deformable, lightweight, rapidsetting and hydrating cementitious adhesive with extended open time, good trowelability, high wetting capacity and extremely high yield, for ceramic tiles and stone, ideal for installing thin porcelain tiles.











#### **TECHNICAL DATA:**

Pot life of mix: 50 minutes. Open time: ≥ 30 minutes. **Grouting of joints:** 

- on walls: after 2-3 hours.

- on floors: after 2-3 hours. Set to light foot traffic: 2-3 hours.

Ready for use: 24 hours.

Colours: grey and white. Application: N° 4, 5, 6 or 10 notched trowel.

Deformability according to EN 12004: S2 - highly deformable.

**EMICODE:** EC1 R Plus - very low emission.

Storage: 12 months Consumption: 1.5-2.5 kg/m<sup>2</sup>. Packaging: 15 kg bags.

## 4. ADHESIVES FOR CERAMIC TILES AND STONE MATERIAL

### 4.2 Synthetic resin-based adhesives



## Adesilex P22

Ready-to-use adhesive paste with no vertical slip and long open time for ceramic tiles (thickness of adhesive up to 5 mm).



#### **TECHNICAL DATA:**

Where to use: walls only. Open time: ≥ 30 minutes.

Waiting time before grouting: 24 hours.

Ready for use: 7-14 days.

Deformability: highly deformable.

Colour: white. Application: N° 4 or 5 notched trowel. Storage: 24 months. Protect from frost.

Consumption: 1.5-2.5 kg/m<sup>2</sup>

Packaging: 5, 12 and 25 kg drums and 1x12 packs.



## Fix & Grout Brick

Ready to use, high-performance adhesive paste with BioBlock® mould-resistant technology for bonding brick slips and light weight cementitious and synthetic resin conglomerate decorative elements on internal and external surfaces.



#### TECHNICAL DATA:

Open time: 20 minutes.

Adjustment time: 30-35 minutes.

Grouting: clean off adhesive which runs out of the joint with a damp brush within 20 minutes (depending

on surrounding conditions). Colours: white, grey and beige. Application: notched trowel or brush.

Storage: 24 months. Consumption: 1.4-4.2 kg/m<sup>2</sup>.

Packaging: 12 kg drums.



## **Ultramastic III**

Ready-to-use, high-performance adhesive paste with no vertical slip and long open time, for laying ceramic tiles on walls and floors (thickness of adhesive up to 5 mm).



#### **TECHNICAL DATA:**

**Open time:**  $\geq$  30 minutes.

Adjustment time: up to 35-40 minutes according to the absorption of the substrate, the tiles and the

surrounding conditions.

Waiting time before grouting: 12-24 hours. Set to light foot traffic: approx. 2 days. Ready for use: approx. 7 days.

Deformability: highly deformable.

Colour: white.

Application: N° 4, 5 or 6 notched trowel. Storage: 24 months. Protect from frost.

Consumption:

1.5-2.5 kg/m² on walls;
3-4 kg/m² on floors.

Packaging: 1, 5, 12, 16 kg drums.



#### 4.3 Reactive adhesives



### Keralastic

polyurethane adhesive for ceramic tiles and stone material.



#### **TECHNICAL DATA:**

Open time: 50 minutes.

Waiting time before grouting: 12 hours. Set to light foot traffic: approx. 12 hours. Ready for use: approx. 7 days.

Deformability: highly deformable.
Colours: grey and white.

**Application:** N° 4 or 5 notched trowel.

Storage: 24 months.

Consumption: 2.5 -5 kg/m<sup>2</sup>.

Packaging: 5 and 10 kg units (A : B = 94 : 6 parts

by weight).







## Keralastic T

Two-component, high-performance polyurethane adhesive with no vertical slip for ceramic tiles and stone material.



#### TECHNICAL DATA:

Open time: 50 minutes.

Waiting time before grouting: 12 hours.
Set to light foot traffic: approx. 12 hours.
Ready for use: approx. 7 days.
Deformability: highly deformable.

Colours: grey and white.

Application: N° 4 or 5 notched trowel.

Storage: 24 months.

Consumption: 2.5 -5 kg/m<sup>2</sup>.

Packaging: 5 and 10 kg units (A:B = 94 : 6 parts by

weiaht).



## Kerapoxy Adhesive

Two-component epoxy adhesive with no vertical slip for ceramic tiles and stone material.



#### **TECHNICAL DATA:**

Pot life of mix: 45 minutes. Open time: 60 minutes.

Set to light foot traffic: approx. 10-12 hours.

Ready for use: 2 days. Colours: grey and white.

Application: suitable notched trowel.

Storage: 24 months.

Consumption: 1.5 kg/m² per mm of thickness.

Packaging: 10 kg units.



## **Ultrabond Eco PU 2K**

Two-component, solvent-free, high performance, non-slip polyurethane adhesive with very low emission level of volatile organic compounds (VOC) for ceramic and stone tiles.



#### TECHNICAL DATA:

Open time: 20 minutes.

Waiting time before grouting: 12 hours, Set to foot traffic: approx. 12 hours. Ready for service: approx. 7 days. Deformability: good.

Colours: grey and white.

Application: N° 4 or 5 notched spreader. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Consumption: 2.5 -5 kg/m<sup>2</sup>.

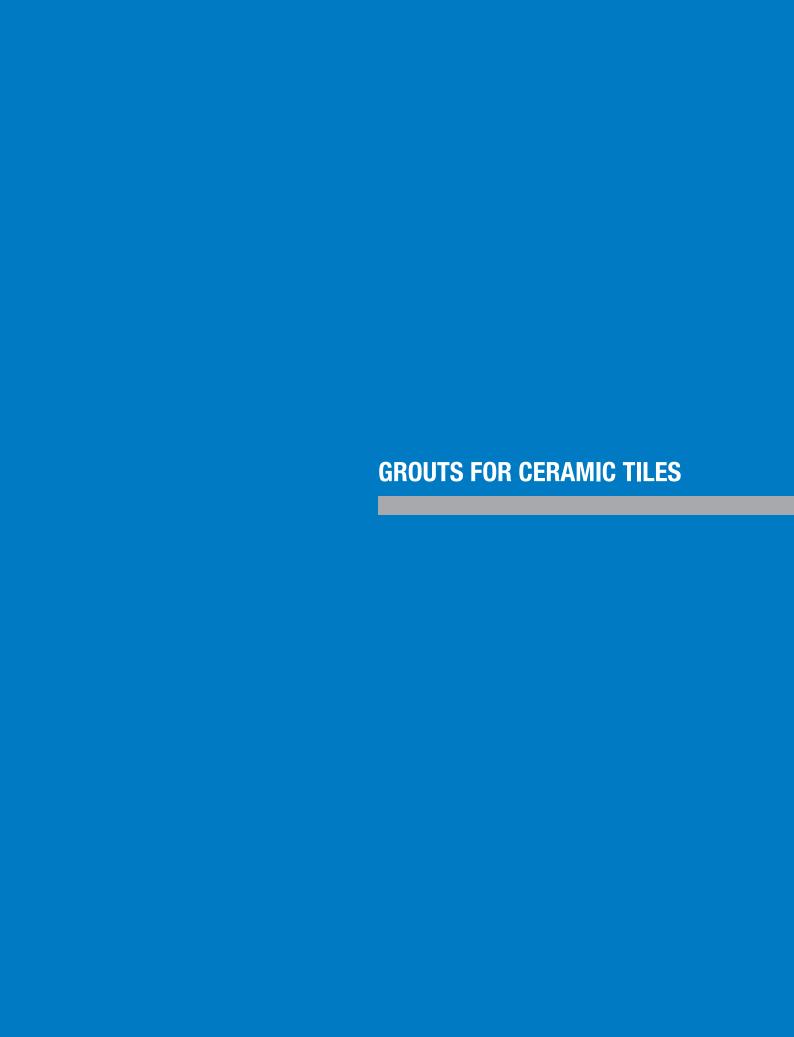
Packaging: 10 kg kit (A:B = 88:12 parts in weight).











#### **5.1 Cementitious grouts**



## Fugolastic

Polymer liquid admix for KERACOLOR FF. KERACOLOR GG and KERACOLOR SF.

TECHNICAL DATA OF FUGOLASTIC + KERACOLOR:

Pot life of mix: approx. 2 hours.

Waiting time before finishing: 10-20 minutes. Set to light foot traffic: approx. 24 hours.

Ready for use: 7-10 days.

Application: rubber MAPEI trowel or rake. Finishing: MAPEI sponge or Scotch-Brite® pad. Storage: 24 months. Protect from frost. Consumption: according to the size of the joints. Packaging: 5, 10 kg drums and 12x1 kg packages.



## Keracolor FF

Pre-blended, high-performance, polymer-modified cementitious mortar with water-repellent DropEffect® technology for grouting joints up to 6 mm wide.



#### TECHNICAL DATA:

Pot life of mix: approx. 2 hours.

Waiting time before finishing: 10-20 minutes. Set to light foot traffic: approx. 24 hours. Ready for use: 7-10 days.

Colours: 15.

Application: rubber MAPEI trowel or rake. Finishing: MAPEI sponge or Scotch-Brite® pad. EMICODE: EC1 R Plus - very low emission. Storage: 12 months (25 kg bags), 24 months

(5 kg bags).

Consumption: according to the size of the joints. Packaging: 25 kg bags and 4x5 kg Alupack boxes, according to the colour.



## Keracolor GG

Pre-blended, high-performance polymer-modified cementitious mortar for grouting joints 4 to 15 mm wide.



#### TECHNICAL DATA:

Pot life of mix: approx. 2 hours. Waiting time before finishing:

10-20 minutes

Set to light foot traffic: approx. 24 hours.

Ready for use: 7-10 days.

Colours: 14.

Application: rubber MAPEI trowel or rake. Finishing: MAPEI sponge or Scotch-Brite® pad. EMICODE: EC1 R Plus - very low emission. Storage: 12 months (22-25 kg bags), 24 months

Consumption: according to the size of the joints. Packaging: 25 kg bags and 4x5 kg Alupack boxes,

according to the colour.



## Keracolor SF

Fine-grained, high-performance white cementitious mortar for grouting joints up to 4 mm wide.



#### **TECHNICAL DATA:**

Pot life of mix: approx. 2 hours.

Waiting time before finishing: 10-20 minutes. Set to light foot traffic: approx. 24 hours.

Ready for use: 7 days.

Colour: white.

**Application:** rubber MAPEI trowel or rake. Finishing: MAPEI sponge or Scotch-Brite® pad. EMICODE: EC1 R Plus - very low emission. Storage: 12 months (22 kg bags), 24 months (5 kg

bags).

Consumption: according to the size of the joints. Packaging: 22 kg bags and 4x5 kg Alupack boxes,

according to the colour.





## **Ultracolor Plus**

High-performance, anti-efflorescence, quick-setting and drying polymermodified mortar with water-repellent DropEffect® and mould-resistant BioBlock® technology for grouting joints 2 to 20 mm wide.



#### **TECHNICAL DATA:**

Pot life of mix: 20-25 minutes.

Waiting time before finishing: 15-30 minutes. Set to light foot traffic: approx. 3 hours. Ready for use: 24 hours (48 hours for basins and swimming pools).

Colours: 34.
Application: rubber trowel.

Finishing: MAPEI sponge or Scotch-Brite® pad. EMICODE: EC1 Plus - very low emission.

Storage:

- 12 months (23 kg bags); - 24 months (1 and 5 kg bags).

Consumption: according to the size of the joints. Packaging: 23 kg bags and 4x5 kg Alupack and 9x2 kg Alupack boxes, according to the colour.





#### **5.2 Epoxy grouts**



## Kerapoxy

Two-component, high-performance, anti-acid epoxy mortar and adhesive with no vertical slip for laying and grouting ceramic tiles and stone material (minimum width of joints 3 mm).



#### **TECHNICAL DATA:**

Pot life of mix: 45 minutes. Open time: 30 minutes.

Set to light foot traffic: approx. 24 hours.

Ready for use: 4 days. After 4 days surfaces may be

exposed to chemicals. Colours: 20.

Application: suitable trowel.

**EMICODE:** EC1 R Plus - very low emission.

Storage: 24 months. Consumption:

- for grouting: according to the size of the joints; - for bonding: 2-4 kg/m². Packaging: 5 and 10 kg units and 12x2 kg boxes.



## Kerapoxy CQ

Two-component epoxy grout, easy to apply and excellent cleanability, with a bacteriostatic agent and BioBlock® technology, ideal for grouting ceramic tiles and mosaics.

Can also be used as an adhesive.

Product is certified by the University of Modena (Italy) according to ISO 22196:2007 standards as a grouting mortar protected against the formation and proliferation of micro-organisms









#### TECHNICAL DATA:

Pot life of mix: 45 minutes.

Set to light foot traffic: approx. 24 hours.

Ready for use: after 4 days surfaces may be exposed to chemicals.

Colours: 19.

Application: rubber MAPEI trowel. Finishing: MAPEI cellulose sponge. EMICODE: EC1 R Plus - very low emission.

Storage: 24 months.

Consumption: according to the size of the joints. Packaging: 3 kg units. 10 kg units for colours: 283 sea blue, 282 bardiglio grey, 100 white, 113 cement grey, 114 anthracite and 132 beige 2000.



## Kerapoxy Design

Two-component, anti-acid, decorative, translucent epoxy mortar for grouting glass mosaic, ceramic tiles and stone material, used in combination with MAPEGLITTER for a particularly attractive and high quality finish. May also be used as an adhesive.









#### TECHNICAL DATA:

Pot life of mix: 45 minutes.

Open time (adhesive): 30 minutes.

Adjustment time (adhesive): 60 minutes. Set to light foot traffic: approx. 24 hours.

Ready for use: after 4 days surfaces may be exposed to chemicals.

Colours: 32.

Application: suitable trowel. Finishing: MAPEI cellulose sponge.

EMICODE: EC1 R Plus - very low emission.

Storage: 24 months.

**Consumption:** according to the size of the joints.

Packaging: 3 kg units.



## Kerapoxy IEG

Two-component epoxy mortar with extremely high chemical resistance for grouting joints at least 3 mm wide.



#### TECHNICAL DATA:

Pot life of mix: 45 minutes.

Set to light foot traffic: approx. 24 hours.

Ready for use: 4 days. After 4 days surfaces may be exposed to chemicals.

Colours: 113 and 130

Application: rubber MAPEI trowel.

Finishing: Scotch Brite® pad and MAPEI sponge (or single-head rotary polisher with Scotch Brite® type

abrasive felt disk and rubber rake). **EMICODE:** EC1 R Plus - very low emission.

Storage: 24 months.

Consumption: according to the size of the joints.

Packaging: 10 kg units.



## Kerapoxy P

Easy-to-apply, two-component, antiacid epoxy mortar with good cleanability properties for grouting joints at least 3 mm wide.



#### **TECHNICAL DATA:**

Pot life of mix: 45 minutes.

Set to light foot traffic: approx. 24 hours.

Ready for use: 4 days. After 4 days surfaces may be exposed to chemicals.

Colours: 113.

Application: rubber MAPEI trowel.

Finishing: Scotch Brite® pad and MAPEI sponge (or single-head rotary polisher with Scotch Brite® type abrasive felt disk and rubber rake).

Storage: 24 months.

Consumption: according to the size of the joints.

Packaging: 10 kg units.



## MapeGlitter

Polyester, aluminium and epoxy resin metal-effect coloured glitter mixed with used for mixing with KERAPOXY DESIGN.



**Maximum dosage:** 10% by weight of KERAPOXY DESIGN.

Colours: silver and light gold. 22 other colours

available upon request.

Packaging: boxes of 10x100 g packets.

## 5.3 Ready-to-use paste products\_



### Flexcolor

Ready-to-use, polymer filler paste with water-repellent DropEffect® and mould-resistant BioBlock® technology for grouting joints in ceramic tiles 2 to 10 mm wide.



#### TECHNICAL DATA:

Waiting time before finishing: from 15-20 minutes, according to surrounding conditions and absorption of the tiles

Set to light foot traffic: 48 hours.

Ready for use: 7 days.
Colours: 100 white, manhattan 2000 110, 111 silver-grey, medium grey 112 and 132 beige 2000.

Application: rubber trowel.

Finishing: Scotch-Brite® pad and MAPEI sponge.

Storage: 12 months.

Consumption: according to the size of the joints.

Packaging: 5 kg drums.

<b>Mapei</b> Coloured <b>Grouts</b>	Ultracolor Plus	Keracolor SF	KeracolorFF	Keracolor GG	Keracolor PPN	Hexcolor	Kerepoxy	Kerepory 60	Kerepony (EG	KerepoxyP	Kerepoxy Design	MapeGlitter	Fix & Grout Brick	Mapesil AC	Mapesil LM
100 WHITE	•	•	•	•		•	•	•					•	•	•
<b>799</b> WHITE											•				
103 MOON WHITE	•		•								•			•	
710 ICE WHITE											•				
700 TRANSLUCENT											•				
111 SILVER GREY	•		•	•		•	•	•			•			•	•
<b>110</b> MANHATTAN 2000	•		•	•		•	•				•			•	•
112 MEDIUM GREY	•		0	0		0	•								0
282 BARDIGLIO GREY								•							
720 PEARL GREY											0				
728 DARK GREY											0				
113 CEMENT GREY	0		0	0	0		0	0	0	0	0		•	0	•
115 RIVER GREY	0										0			0	
116 MUSK GREY	0										0			•	
174 TORNADO	0										0			0	
119 LONDON GREY	0										0			0	
114 ANTHRACITE	0		0	0			0	0			0			0	0
120 BLACK	0						0	0						0	0
137 CARIBBEAN	•										•			•	
130 JASMINE	•		•	•			•	•	•		•			•	•
<b>290</b> CREAM								•							
131 VANILLA	•		•	•			•							•	
138 ALMOND	•										•			•	
729 SAHARA YELLOW											•				
<b>132</b> BEIGE 2000	•		•	•		•	•	•			•			•	•
133 SAND	•										0			•	
134 SILK	0										0			0	
139 PINK POWDER	0										•				
141 CARAMEL	0		•	0			0							0	
135 GOLDEN DUST	0										0			0	
152 LIQUORICE	0										0			0	
142 BROWN 147 CAPPUCCINO	0		0	0			0				0			•	
136 MUD								0			_				
144 CHOCOLATE	0										0			0	
146 RICH BROWN	0		0	0			0							0	
149 VOLCANO SAND								0			0				
145 TERRA DI SIENA	0			0			0				J			0	
143 TERRACOTTA	0						0							0	
172 SPACE BLUE	0						0								
170 CROCUS BLUE			•	•			ŏ	•							
162 VIOLET															
171 TURQUOISE	0						0							0	
173 OCEAN BLUE								•			0				
283 SEA BLU								0			0				
182 TORMALINE								o							
183 LIME GREEN								0							
150 YELLOW	•						•				•			•	
151 MUSTARD YELLOW								0							
165 CHERRY RED								0			0				
999 TRANSPARENT														•	•
LIGHT GOLD															
SILVER.												0			
Due to the printing processes involved, t	he col	Ours of	hould	he tak	en as	merel	/ indic	ative o	of the c	hader	of the		al prod	lucte	

#### Due to the printing processes involved, the colours should be taken as merely indicative of the shades of the actual products.

# **Mapei**Coloured **Grouts**

Beauty which resists everything.





EASY TO CLEAN

MOULD-RESISTANT





DURABLE AND STRONG

WIDE RANGE OF COLOURS

A range of high-quality, highly-functional products rich in colour for internal and external use. Solvent-free, with very low emission of volatile organic compounds (VOC) and certified in compliance with the most strict international standards. Suitable for all types and formats of floors and walls: ceramic tiles, cotto, stone material, mosaics and metal. Available as cementitious, grouting paste and epoxy grout. Mapei Coloured Grouts. The choice that completes every project. From Mapei, world leader in the production of grouts and adhesives. Mapei is by your side: let's take a deeper look together at www.mapei.it







SYSTEMS FOR LAYING AND GROUTING ARCHITECTURAL STONE PAVING

## 6. SYSTEMS FOR LAYING AND GROUTING ARCHITECTURAL STONE PAVING



## **Keracolor PPN**

High-strength, quick-setting pozzolan mortar with very low water absorption for grouting paved floors with joints from 5 to 30 mm wide subject to heavy loads and intense traffic.

In compliance with UNI 11714-1:2018 standard



#### TECHNICAL DATA:

Pot life of mix: 20 minutes. Set to light foot traffic: 1 hour.

Ready for use: 3 days for light to medium traffic,

7 days for heavy traffic.
Colour: 113 cement grey.
Application: rubber MAPEI trowel or rake.
Cleaning: MAPEI sponge or Scotch Brite® pad (or single-head rotary polisher with Scotch Brite® type abrasive felt disk). As an alternative, hydro-cleaner

once it has started to harden.

Storage: 12 months.

Consumption: according to the size of the joints and

slabs.

Packaging: 25 kg bags.



## Mapestone Joint

One-component, solvent-free, non-flammable polyurethane binder with a characteristic odour for creating elastic and pervious architectural road surfaces.

Areas of use: sealing grout lines between setts, paving bricks and cobblestones used to create architectural road; surfaces for vehicle use installing and sealing paving for pedestrian and light vehicle use.

In compliance with UNI 11714-1:2018 standard

#### TECHNICAL DATA:

Dosage: with 1 kg of MAPESTONE JOINT it is possible to seal 1 m<sup>2</sup> of approx. 8-10 cm setts. Packaging: 25 litre tanks, 20 kg drums and 1000 kg



## Mapestone Joint Cleaner

Specific odourless cleaner for residues of MAPESTONE JOINT and tools. It can be used for any type of stone.

#### **TECHNICAL DATA:**

Colour: transparent.

**Dosage:** depends on the amount of dirt that needs to

be removed.

Packaging: is available in 5 litre and 25 litre drums.



## Mapestone PFS 2

Pre-blended mortar for grouting architectonic stone floors with exceptional physical-chemical characteristics suitable for areas exposed to dry/damp cycles specified by exposure class XF4, with high compressive strength and good resistance to de-icing salts, freeze-thaw cycles and seawater.

In compliance with UNI 11714-1:2018 standard

#### **TECHNICAL DATA:**

Pot life of mix: 20 minutes.

Waiting time before putting into service: 7 days.

Colour: basic and Dark Grey.

Application: rubber MAPEI trowel or rake.

**Cleaning:** wet sponge and then light, steady jet of water or with a suitable cleaning machine.

Storage: 12 months

Consumption: according to the size of the joints

slabs and stone

Packaging: 25 kg bag.



## Mapestone PFS 2 Visco

Low viscosity ready-mixed mortar with high compressive strength and resistant to de-icing salts, freeze-thaw cycles and seawater, with exceptional physical chemical characteristics suitable for areas exposed to dry/damp cycles specified by exposure class XF4. for grouting architectural slab and block-paved road surfaces.

In compliance with UNI 11714-1:2018 standard

#### TECHNICAL DATA:

Pot life of mix: 40 mins. Ready for service: 7 days. Colour: basic and Dark Grey.

Application: slurry poured into grout lines using

suitable containers.

Cleaning: wet sponge and then light, steady jet of water or with a suitable cleaning machine. Storage: 12 months; protect from moisture. Consumption: according to the thickness of the slabs/blocks and the width and depth of the grout

lines

Packaging: 25 kg bags.



## Mapestone PFS PCC 2

Pre-blended, polymer-modified mortar with a low modulus of elasticity, high compressive strength and good resistance to de-icing salts, freeze-thaw cycles and seawater with exceptional physical-chemical characteristics suitable for areas exposed to dry/damp cycles specified by exposure class XF4, for grouting architectonic stone floors.

In compliance with UNI 11714-1:2018 standard

#### TECHNICAL DATA:

Pot life of mix: 20 minutes.

Waiting time before putting into service: 7 days.

Colour: basic.

Application: rubber MAPEI trowel or rake. Cleaning: wet sponge and then light, steady jet of water or with a suitable cleaning machine.

Storage: 12 months.

Consumption: according to the size of the joints

and slabs.

Packaging: 25 kg bag.



## Mapestone Scraper

Acid-based cleaner for architectural stone paving.

#### TECHNICAL DATA:

pH of the liquid: 1.1.

Application: let the product act for 5-10 minutes, scrub with a brush or an abrasive sponge (medium grit Scotch Brite®) until all visible stains have disappeared. Storage: 24 months in the original packaging. Packaging: 25 kg plastic drums; 5 kg plastic drums;

1 kg bottles in boxes of 12x1 kg.



## Mapestone TFB 60

Pre-blended mortar with high compressive strength and good resistance to de-icing salts, freeze-thaw cycles and seawater with exceptional physical-chemical characteristics suitable for areas exposed to dry/damp cycles specified by exposure class XF4, for installation screeds for architectonic stone flooring.

In compliance with UNI 11714-1:2018 standard

#### TECHNICAL DATA:

Mixing ratio: 1 25 kg sack of MAPESTONE TFB 60

with 1.8-2 I of water.

Waiting time before putting into service: 7 days. Grout joints with the products from the Mapestone

PFS 2 range: fresh on fresh. Storage: 12 months.

Consumption: 20 kg/m<sup>2</sup> per centimetre of thickness.

Packaging: 25 kg bag.





#### 7.1 Acetic silicone sealants



Mapesil 300°C Acetic silicone sealant for high temperatures.



#### TECHNICAL DATA:

Movement in service: 20%.

Modulus of elasticity at 100% elongation:

0.60 N/mm<sup>2</sup>.

Shore A hardness: 20. Workability time: 6' (+23°C, 50% R.H.).

Colours: black.
EMICODE: EC1 Plus - very low emission.

Application: extrusion gun.

Consumption: 3.0 linear metres per 300 ml cartridge

(10x10 mm section).

Packaging: 300 ml cartridge.



## Mapesil AC

Pure, mould-resistant, acetic silicone sealant with BioBlock® technology for movements up to 25%.



#### **TECHNICAL DATA:**

Movement in service: 25%.

Modulus of elasticity at 100% elongation:

0.35 N/mm<sup>2</sup>

Shore A hardness: 20.

Workability time: 10 minutes. Colours: 34 colours + transparent.

EMICODE: EC1 Plus - very low emission.

Application: extrusion gun.

Consumption: 3.1 linear metres per 310 ml cartridge

(10x10 mm section).

Packaging: 310 ml cartridges.



## Mapesil U

Multi-purpose mould-resistant acetic silicone sealant for movements up to 20%.



#### **TECHNICAL DATA:**

Movement in service: 20%.

Modulus of elasticity at 100% elongation:

0.36 N/mm<sup>2</sup>

Shore A hardness: 18. Workability time: 20 mins. Colours: transparent, white. Application: silicone gun.

Consumption: 2.8 meters per 280 ml cartridge

(10x10 mm section).

Packaging: 280 ml cartridges.



## Mapesil Z Plus

Mould-resistant acetic silicone sealant for sanitary fittings for movements up to 20%.



#### **TECHNICAL DATA:**

Movement in service: 20%.

Modulus of elasticity at 100% elongation:

0.36 N/mm<sup>2</sup>

Shore A hardness: 18.
Workability time: 25'.
Colours: transparent, white.

EMICODE: EC1 Plus - very low emission.

Application: extrusion gun.

Consumption: 2.8 linear metres per 280 ml cartridge

(10x10 mm section).

Packaging: 280 ml cartridges.



## 7.2 Polyurethane sealants and adhesives



## **Mapeflex PU20**

Two-component, high-strength, castable epoxy-polyurethane sealant with high chemical resistance for movements up to 10%.

**TECHNICAL DATA:** 

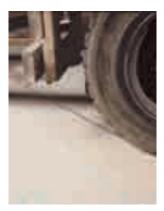
Movement in service: 10%. Shore A hardness: 50. Workability time: 45 minutes. Set to light foot traffic: 24-36 hours. Colour: 113 grey.

Application: by pouring.

Consumption: 0.14 kg/linear metres (10x10 mm

section).

Packaging: 10 kg drums (A+B).



## Mapeflex PU21

Two-component, high-strength, castable epoxy-polyurethane sealant for movements up to 5%.

#### **TECHNICAL DATA:**

Movement in service: 5%. Shore A hardness: 65. Workability time: 45 minutes. Set to light foot traffic: 24-36 hours.

Colour: 113 grey.

Application: by pouring.

Consumption: 0.15 kg/linear metres (10x10 mm

Packaging: 5 and 10 kg drums (A+B).



## Mapeflex PU 30

Two-component, high-strength, thixotropic epoxy-polyurethane sealant with high chemical resistance for movements up to 10%.



#### TECHNICAL DATA:

Movement in service: 10%. Shore A hardness: 65. Workability time: 35 minutes. Set to light foot traffic: 24-36 hours.

Colour: 113 grey.

Application: trowel, extrusion gun.

Consumption: 0.15 kg/linear metres (10x10 mm

Packaging: 5 and 10 kg drums (A+B).



## Mapeflex PU35 CR

Polyurethane sealant with high modulus of elasticity, resistant to chemicals, suitable for clean rooms and environments with food and beverages.













#### **TECHNICAL DATA:**

Movement in service (%): 25 (with PRIMER M or PRIMER A).

Modulus of elasticity at 100% elongation: 0.8 N/mm<sup>2</sup>.

Shore A hardness (DIN 53505): 36. Workability time: 90 minutes.

Colour: grey 113. EMICODE: EC 1 R Plus - very low emission.

Application: extrusion gun.

Consumption: 6.0 meters per 600 ml tube

(10x10 mm section).

Confezione: 600 ml soft-cartridge.



## Mapeflex PU 40

Paintable polyurethane sealant with a low modulus of elasticity for movements up to 25%.



#### **TECHNICAL DATA:**

Movement in service: 25%.

Modulus of elasticity at 100% elongation:

0.24 N/mm<sup>2</sup>

Shore A hardness: 27. Workability time: 3 hours.

**Colours:** white, grey 111, grey 112. **Application:** extrusion gun.

Consumption:

- 3.0 linear metres per 300 ml cartridge;
- 6.0 linear metres per 600 ml soft-cartridges

(10x10 mm section).

Packaging: 300 ml cartridges, 600 ml soft-cartridges.



## Mapeflex PU 45 FT

Rapid-hardening paintable polyurethane sealant and adhesive with a high modulus of elasticity for movements up to 20%.



#### TECHNICAL DATA:

Movement in service: 20%.

Modulus of elasticity at 100% elongation:

0.80 N/mm<sup>2</sup>.

Shore A hardness: 38. Workability time: 35 mins.

Colours: white, 111 grey, 113 grey, black, brown

and beige.

Application: silicone gun.

Consumption: 3.0 meters per 300 ml cartridge, 6.0 meters per 600 ml tube (10x10 mm section). Packaging: 300 ml cartridge, 600 ml tube.



## Mapeflex PU50 SL

Paintable, castable polyurethane sealant with a low modulus of elasticity for movements up to 25%.



#### TECHNICAL DATA:

Movement in service: 25%.

Modulus of elasticity at 100% elongation:

0.25 N/mm<sup>2</sup>

Shore A hardness: 22.
Workability time: 2 hours.

Colour: 111 grey.

**Application:** pouring, pressure pump. **Consumption:** 6.0 linear metres per 600 ml

soft-cartridge (10x10 mm section).

Packaging: 600 ml soft-cartridges and 12 kg drums.



## Mapeflex PU 65

Two-component, castable polyurethane sealant for sealing joints in roads up to surface level, mixed with QUARTZ 0.5 sand at a ratio of up to 1:1 by weight. Setting and hardening may be accelerated by adding a specific liquid accelerator MAPEFLEX PU65 CATALYST.

#### TECHNICAL DATA:

Shore A hardness: 80. Workability time: 2-3 hours.

Colour: black.

Application: by pouring.

Consumption: 1.2 kg/linear metres (10x10 mm

section).

Packaging: 10 kg drums (A+B).



## Mapeflex PU 70 NS NEW

Two-component, thixotropic, polyurethane sealant with low modulus of elasticity, resistant to hydrocarbons, for movements up to 25%.

TECHNICAL DATA:

Movement in service: 25%.

Modulus of elasticity at 100% elongation: 0.6 N/mm<sup>2</sup>.

Shore A hardness: 30. Workability time: 45 minutes.

Colour: black.

Application: spreader, extrusion gun.
Consumption: 0.15 kg/metre (10x10 mm section).

Packaging: 5 kg drums.



## Mapeflex PU 70 SL

Two-component free-flowing elastic polyurethane sealant with a low modulus of elasticity, for joints with movements up to 25% with low modulus of elasticity, resistant to hydrocarbons.

#### TECHNICAL DATA:

Movement in service: 25%.

Modulus of elasticity at 100% elongation:

0.30 N/mm<sup>2</sup>.

Shore A hardness: 18. Workability time: 45 mins.

Colours: black.

Application: pouring, pressure pump.

Consumption: 0.15 kg/meter (10x10 mm section).

Packaging: 10 kg drums (A+B).

### 7.3 Neutral silicone sealants



## Mapesil BM

Neutral silicone sealant for metal-work for movements up to 25%.



#### TECHNICAL DATA:

Movement in service: 25%.

Modulus of elasticity at 100% elongation:

0.35 N/mm<sup>2</sup>.

Shore A hardness: 25.

Workability time: 15 minutes.

Colours: transparent, grey, copper and dark brown.

EMICODE: EC1 Plus - very low emission. Application: extrusion gun.

Consumption: 3.1 linear metres per 310 ml cartridge

(10x10 mm section).

Packaging: 310 ml cartridges.



## Mapesil GP

Neutral mould-resistant silicone sealant for building work for movements up to 20%.



#### **TECHNICAL DATA:**

Movement in service: 20%.

Modulus of elasticity at 100% elongation:

0.37 N/mm<sup>2</sup>

Shore A hardness: 24.

Workability time: 35 mins.
Colour: transparent, white, grey-white, grey, copper

and dark brown.

Application: extrusion gun.

Consumption: 2.8 linear metres per 280 ml cartridge

(10x10 mm bead).

Packaging: 280 ml cartridges.



## Mapesil LM

Neutral silicone mould-resistant sealant with BioBlock® technology for stone for movements up to 25%.



#### TECHNICAL DATA:

Movement in service: 25%.

Modulus of elasticity at 100% elongation:

0.35 N/mm<sup>2</sup>.

Shore A hardness: 21. Workability time: 15 minutes.

Colours: transparent, 100 white, 110 grey, 111 grey, 112 grey, 113 cement grey, 114 grey, 120 black, 130 jasmine and 132 beige (see "MAPEI Coloured

Grouts" **EMICODE:** EC1 Plus - very low emission.

Application: extrusion gun.

Consumption: 3.1 linear metres per 310 ml cartridge

(10x10 mm section).

Packaging: 310 ml cartridges.

## 7.4 Hybrid sealants and adhesives \_\_\_\_



# Mapeflex MS 40 NEW

Hybrid sealant with low modulus of elasticity also for wet substrates, for movements up to 25%.



#### **TECHNICAL DATA:**

Movement in service: 25%.

Modulus of elasticity at 100% elongation: 0.45 N/mm<sup>2</sup>.

Shore A hardness: 25. Workability time: 40 minutes. Colours: white, grey 111, grey 113.

EMICODE: EC1 R Plus - very low emission.

Application: extrusion gun.

Consumption: 6 metres per 600 ml sausage

(10x10 mm section). Packaging: 600 ml sausage.



## Mapeflex MS 45

Paintable hybrid sealant and adhesive with a high modulus of elasticity also for wet substrates, for movements up to 20%.



#### **TECHNICAL DATA:**

Movement in service: 20%.

Modulus of elasticity at 100% elongation:

0.66 N/mm<sup>2</sup>

Shore A hardness: 43.

Workability time: 35' (+23°C, 50% R.H.). Colours: white, 113 grey, brown, black. EMICODE: EC1 R Plus - very low emission. Certification: certificate for contact with drinking

Application: extrusion gun.

Consumption: 3.0 linear metres per 300 ml cartridge

(10x10 mm section).

Packaging: 300 ml cartridge.



# Mapeflex MS Crystal

Elastic high modulus, flexible, crystal clear, paintable, hybrid sealant and adhesive. Also suitable for damp surfaces.

#### **TECHNICAL DATA:**

Movement in service: 20%.

Modulus of elasticity at 10% elongation: 0.6 N/mm<sup>2</sup>.

Shore A hardness: 35.

Workability time: 20 minutes.

Colours: crystal clear.
EMICODE: EC1 R Plus - very low emission.

Application: extrusion gun.

Consumption: 3.0 linear metres per 300 ml cartridge

(10x10 mm section).

Packaging: 300 ml cartridges.









### 7.5 Other sealants



## Mapeflex AC3 NEW

Paintable acrylic sealant with a smooth finish for movements up to 7.5%.



#### **TECHNICAL DATA:**

Movement in service: 7.5%.

Modulus of elasticity at 50% elongation: 0.20 N/mm<sup>2</sup>.

Shore A hardness: 53. Workability time: 20 minutes.

Colours: white and grey.

EMICODE: EC1 R Plus - very low emission.

Application: extraction gun.

Consumption: 3.1 metres per 310 ml cartridge

(10x10 mm section). **Packaging:** 310 ml cartridge.



## Mapeflex AC4

Paintable acrylic sealant for movements up to 12.5% with a smooth effect.



#### **TECHNICAL DATA:**

Movement in service: 12.5%.

Modulus of elasticity at 50% elongation:

0.20 N/mm<sup>2</sup>

Shore A hardness: 10. Workability time: 10 minutes. Colours: white and grey.

EMICODE: EC1 Plus - very low emission.

Application: extrusion gun, trowel, pneumatic pump. Consumption: 3.1 linear metres per 310 ml cartridge

(10x10 mm section).

Packaging: 310 ml cartridges and 550 ml soft-

cartridges.



## Mapeflex AC-FR 2 NEW

Paintable acrylic sealant for fire-break joints with movements up to 12.5%. Resistant to fire for up to 240 minutes. Certified according to EN 1366-4, EN 13501-1, EN 13501-2.



#### TECHNICAL DATA:

Movement in service: 12.5%.

Modulus of elasticity at 50% elongation: 0.11 N/mm<sup>2</sup>.

Shore A hardness: 15.

Workability time: 15 minutes.

Colour: grey.

Application: extrusion gun for sausages.

Consumption: 5.5 meters per 550 ml sausage

(10x10 mm section). Packaging: 550 ml sausage.



Mapeflex AC-P

Paintable acrylic sealant with a render-effect finish for movements up to 12.5%.



#### **TECHNICAL DATA:**

Movement in service: 12.5%.

Modulus of elasticity at 50% elongation:

0.11 N/mm<sup>2</sup>

Shore A hardness: 15. Workability time: 15 minutes.

Colour: white.
EMICODE: EC1 Plus - very low emission.

Application: extrusion gun, trowel.

Consumption: 3.1 linear metres per 310 ml cartridge

(10x10 mm section).

Packaging: 310 ml cartridges.





Mapeflex Blackfill

Bituminen sealant.

TECHNICAL DATA:

Movement in service: plastic product.

Dry solids content: 90%. Elongation at failure: 65%.

Colours: black.

**Application:** extrusion gun, trowel.

Consumption: 3.0 linear metres per 300 ml cartridge

(10x10 mm section).

Packaging: 300 ml cartridge.



Mapeflex Firestop 1200°C

Refractory grout.

**TECHNICAL DATA:** 

Movement in service: none. Workability time: 6' (+23°C, 50% R.H.). Final hardening time: 4 mm / 24 hours.

Colours: grey.

Application: extrusion gun, trowel.

Consumption: 3.0 meters per 300 ml cartridge

(10x10 mm section).

Packaging: 300 ml cartridge.



## **MapePUR** All in One Foam

Multi-functional and multi-purpose, self-expanding polyurethane foam for filling, insulating and soundproofing. Thanks to the special spray nozzle, it is available for manual use or for use with the specific gun MAPEPUR GUN STANDARD.



Free expansion: up to a 45 litres.

Yield: 70 metres (beads diameter 30 mm), 10-12 m<sup>2</sup>

of insulating panels.

Insulating capacity: 0.039 W/(m K). Full hardening time: 2/6 hours.

Colour: yellow

Packaging: 750 ml spray can.



**Ultrabond MS Rapid** 

Rapid-setting, deformable, hybrid assembly adhesive for internal and external use, with a high initial sucker effect.





#### TECHNICAL DATA:

Viscosity: thixotropic paste.

Open time: 5'.

Initial tensile strength: 25 N. Final shear strength: 30 kg/cm<sup>2</sup>.

Hardening time: 2 h.
EMICODE: EC1R Plus - very low emission.

Colour: white.

Application: gun.
Consumption: 5 metres of bed (triangular section).

Packaging: 300 ml cartridges.



## **Ultrabond PU Strong**

Ultra-rapid assembly polyurethane adhesive for structural bonds of construction details for internal and external use.



#### TECHNICAL DATA:

Viscosity: thixotropic paste.
Open time: 4 minutes. Pressing time: 15-30 minutes.
Resistance to moisture: (EN 204-D4).

Colour: beige.

Application: gun.
Consumption: 15 metres (beads diameter 5 mm).
Packaging: 300 ml cartridges.



# **Ultrabond Super Grip**

Acrylic, deformable assembly adhesive for internal use, with high initial sucker effect.



#### TECHNICAL DATA:

Viscosity: creamy thixotropic paste. Open time: 10-15 minutes. Initial tensile strength: 17 N. Final tensile strength: 32.5 kg/cm<sup>2</sup>. Hardening time: 24-48 hours. Dry solids content: 70%.

EMICODE: EC1 Plus - very low emission.

Colour: white.

Application: extrusion gun.

Consumption: 15 metres of bed (5 mm diameter

section).

Packaging: 310 ml cartridges.





## Adesilex PVC

Adhesive for welding approved low pressure PVC pipes.



#### TECHNICAL DATA:

Viscosity: thick liquid. Dry solids content: 30%. Colour: transparent. Application: brush.

Consumption: according to requirements.

Packaging: 125 g tube.



## Adesilex PVC HP

Adhesive for welding approved low and high pressure PVC pipes.



#### TECHNICAL DATA:

Viscosity: thick liquid.

Dry solids content: 30%. Colour: red.

Application: brush.

Consumption: according to requirements. Packaging: 125 g tube.

### 7.7 Accessories and primers for sealants



## Mapefoam

Closed-cell, extruded foam polyethylene cord used as a support for elastomer sealants to gauge the correct size of flexible joints.

Supplied in rolls in various lengths according to the diameter of the foam.

#### **TECHNICAL DATA:**

Density: 40 kg/m<sup>3</sup>

#### Diameters and packaging:

Ø 6 mm boxes of 550 m - bags of 10 m Ø 10 mm boxes of 550 m - bags of 10 m

Ø 15 mm boxes of 550 m - bags of 10 m

Ø 20 mm boxes of 350 m - bags of 10 m Ø 25 mm boxes of 200 m

Ø 30 mm boxes of 160 m

Ø 40 mm boxes of 270 m



## Mapei Gun 310

Extrusion gun for 280, 300 and 310 ml cartridges of sealant and chemical anchor.

#### **TECHNICAL DATA:**

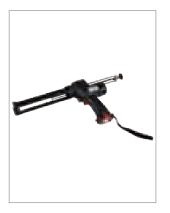
Maximum cartridge size: diameter 51 mm, length

#### Suitable for the following MAPEI products:

MAPESIL (all types), MAPEFLEX (one-component), ULTRABOND (one-component), MAPEFIX PE WALL 300, MAPEFIX PE SF 300, MAPEFIX VE SF 300.

Weight: 920 g. Extrusion rate: 18:1.

Pusher travel: 4.5 mm each pull of trigger.



## Mapei Gun 310 **Electric**

Range of electric sealant guns with rechargeable batteries.

#### **TECHNICAL DATA:**

Maximum cartridge capacity: diameter 51 mm, length 218 mm.

## Suitable for the following Mapei products:

cartridges up to 310 ml, MAPESIL (all types), MAPEFLEX (one-component products), ULTRABOND (one-component products), MAPEFIX PE WALL 300, PE SF 300, VE SF 300.

Weight: 1400 g. Forward thrust: 4400 N.

Plunger travel speed: 4 mm/second.



## Mapei Gun 310 PRO

Extrusion gun for 280, 300 and 310 ml cartridges of sealant and chemical anchor.

#### **TECHNICAL DATA:**

Maximum cartridge size: diameter 51 mm, length

Suitable for the following MAPEI products:

MAPESIL (all types), MAPEFLEX (one-component), ULTRABOND (one-component).

Weight: 830 g. Extrusion rate: 18:1.

Pusher travel: 4.5 mm each pull of trigger.



## Mapei Gun 420 2K

Extrusion gun for co-axial cartridges up to 420 ml of chemical anchor.

#### TECHNICAL DATA:

Maximum size of co-axial cartridge: diameter

63 mm, length 185 mm.

Suitable for the following MAPEI products: MAPEFIX PE WALL 380, MAPEFIX PE SF 420,

MAPEFIX VE SF 420. Weight: 1250 g. Extrusion rate: 24:1.

Pusher travel: 3 mm each pull of trigger.



## Mapei Gun 420 2K **Electric**

Pro-grade electric sealant gun for 420 ml co-axial MAPEFIX cartridges.

#### TECHNICAL DATA:

Maximum thrust: 4400 N (450 kgf).

Maximum plunger travel speed: 4.0 mm/sec. Speed reducing mechanism: trigger + 6 speed

Weight: limited (1500 g). Anti-drip system: yes. Battery: 7.4 V - 1.3 A.

**Battery life:** up to 50 310 ml cartridges (acrylic sealant).

Recharge time: maximum 2 hours.

Light source: yes; front-mounted LED for internal

Contents of carry-case: pro-grade electric gun, battery charger, instruction booklet, two batteries (1 in use, 1 spare).



## Mapei Gun 585 2K

Pro-grade sealant gun for 385, 470 and 585 ml bi-axial MAPEFIX cartridges.

#### **TECHNICAL DATA:**

Maximum size of bi-axial cartridge: diameter 54 +

30 mm, length 247 mm.

Suitable for the following MAPEI products: MAPEFIX EP 385, MAPEFIX EP 470 SEISMIC, MAPEFIX EP 585.

Weight: 1350 g. Extrusion rate: 24:1.

Pusher travel: 3 mm each pull of trigger.



## Mapei Gun 585 2K **Electric**

Pro-grade electric sealant gun for 385, 470 and 585 ml bi-axial MAPEFIX cartridges.

#### **TECHNICAL DATA:**

Maximum thrust: 4400 N (450 kgf).

Maximum plunger travel speed: 4.0 mm/sec. Speed reducing mechanism: trigger + 6 speed

settings

Weight: limited (1750 g). Anti-drip system: yes. Battery: 7.4 V - 1.3 A.

Battery life: up to 50 310 ml cartridges (acrylic

sealant).

Recharge time: maximum 2 hours.

Light source: yes; front-mounted LED for internal

Kit: carry-case with two batteries (1 in use, 1 spare).



## Mapei Gun 600 PRO

Extrusion gun for 550 ml and 600 ml cartridges of sealant.

#### TECHNICAL DATA:

Maximum size of bi-axial cartridge: diameter 51 mm, length 335 mm.

Suitable for the following MAPEI products: MAPEFLEX (550 and 600 ml tubes).

Weight: 1170 g.

Extrusion rate: 18:1.

Pusher travel: 4.5 mm each pull of trigger.



## Mapei Gun 600 PRO **Electric**

Pro-grade electric sealant gun for 550 and 600 ml MAPEFIX tubes.

#### TECHNICAL DATA:

Maximum thrust: 4400 N (450 kgf).

Maximum plunger travel speed: 5.5 mm/sec. Speed reducing mechanism: trigger + 6 speed

Weight: limited (1400 g). Anti-drip system: yes. Battery: 7.4 V - 1.3 A.

**Battery life:** up to 50 310 ml cartridges (acrylic sealant).

Recharge time: maximum 2 hours.

Light source: yes; front-mounted LED for internal

Kit: carry-case with two batteries (1 in use, 1 spare).



## Mapei Gun 825 2K

Extrusion gun for 825 ml bi-axial cartridges of chemical anchor.

#### **TECHNICAL DATA:**

Maximum size of bi-axial cartridge: diameter 78 + 28 mm, length 216 mm.

Suitable for the following MAPEI products:

MAPEFIX VE SF 825. Weight: 1400 g. Extrusion rate: 24:1.

Pusher travel: 3 mm each pull of trigger.



### Primer A

Polyurethane solvent-free primer for absorbent substrate to promote adhesion of MAPEFLEX one-component polyurethane sealants on all types of porous absorbent building substrates such as concrete, mortar, wood and brick.

#### **TECHNICAL DATA:**

Application: brush.

Consumption: 5-10 g/m of 1 cm deep joint treated

Packaging: 250 g and 2 kg canisters.



**Primer EP** 

Two-component epoxy primer in solvent for epoxy-polyurethane sealants.

#### TECHNICAL DATA:

Workability time after mixing: 4-5 hours. Application of sealant: after 24 hours.

Application of seatant: after 24 flours.

Colour: transparent.

Application: brush and roller.

Consumption: 5÷10 g/m (1 cm - deep joint).

Packaging: 10 kg met. drums (A+B).



## **Primer FD**

One-component primer for silicone sealants.

#### TECHNICAL DATA:

Application of sealant: after 60 minutes.

Colour: transparent straw yellow.

Application: brush.

Consumption: 5÷10 g/m (1 cm - deep joint).

Packaging: 200 g bottles.



### **Primer M**

One-component solvent-free primer for polyurethane adhesives for non-absorbent surfaces.

## TECHNICAL DATA:

Application of sealant: after 40 minutes.

Colour: brown.

Consumption: 5÷10 g/m (1 cm - deep joint).

Packaging: 250 g bottles, 2 kg metallic drums.



## **Primer MF**

Two-component, solvent-free epoxy primer for epoxy-polyurethane sealants.

#### **TECHNICAL DATA:**

TECHNICAL DATA:
Consistency: liquid.
Colour: transparent yellow.
Mixing ratio: comp. A: comp. B = 3:1.
Waiting time before laying floors or applying smoothing compound: 24-48 hours according to the surrounding temperature.
Workability time: 90 minutes.
Storage: 24 months

Storage: 24 months.

Application: brush.

Consumption: 5÷10 g/m (1 cm - deep joint).

Packaging: 6 kg (A+B) units and 1 kg kits (A+B).



Primer P One-component primer for sealants applied on plastics.

TECHNICAL DATA:

Application of sealant: after 20'.

Colours: transparent.

Application: brush.

Consumption: 5÷10 g/m (1 cm - deep joint).

Packaging: 150 g bottles.



**Primer PU60** One-component primer for polyurethane

sealants.

TECHNICAL DATA:

Application of sealant: after 24 hours.

Colour: brown.

Application: brush, roller or watering can. Consumption: 5÷10 g/m (1 cm - deep joint).

Packaging: 10 kg metal drums.

## 7.8 Polyurethane foams



## MapePUR Cleaner

Solvent-based cleaning solution for removing traces of wet polyurethane foam from clothes and tools. Spray on the surface to be cleaned or screw to a polyurethane foam gun.

#### TECHNICAL DATA:

Colour: transparent.

Packaging: 500 ml spray can.



# MapePUR Fire Foam M

Expanding polyurethane foam adhesive for filling, insulating and soundproofing. Certified fire resistant up to El 240. Available in hand-held spray cans (MAPEPUR ROOF FOAM M).

#### TECHNICAL DATA:

Free expansion: up to 45 litres.
Insulating capacity MAPEPUR FIRE FOAM M:

0.039 W/(m K).

Soundproofing capacity: 58 dB.
Resistance to fire: El 240 (joints up to 20 mm).
Full hardening time: 1.5/5 hours.

Colour: pink.

Packaging: 750 ml spray can.



## MapePUR Multi Adhesive Foam G

Multi-purpose, low-expanding polyurethane foam adhesive for bonding construction elements, also made of different materials, both for internal and external use. Available in gun version for use with the specific gun MAPEPUR GUN STANDARD.

#### TECHNICAL DATA:

Yield: 70 metres (beads diameter 30 mm), 10-12 m<sup>2</sup> of insulating panels.

Insulating capacity: 0.036 W/(m K).
Tensile strength (ETAG 004): 0.8 kg/cm².
Reaction to fire (DIN 4102-1): B2. Reaction to fire (EN 13501-1): E.

Colour: yellow.

Packaging: 750 ml spray can.



## MapePUR Roof Foam G MapePUR Roof Foam

Expanding polyurethane foam adhesive for bonding, filling, soundproofing and insulating. Available in gun version (MAPEPUR ROOF FOAM G) for use with a standard MAPEPUR GUN and hand-held spray can version (MAPEPUR ROOF FOAM M).

#### TECHNICAL DATA:

Free expansion: up to 45 litres.

Insulating capacity MAPEPUR ROOF FOAM G: 0.036 W/(m K).

Insulating capacity MAPEPUR ROOF FOAM M:

0.039 W/(m K).

Soundproofing capacity: 58 dB. Tensile strength: 1.2 kg/cm<sup>2</sup>. Full hardening time: 1.5/5 hours.

Colour: grey.
Packaging: 750 ml spray can.



## MapePUR Universal Foam G MapePUR Universal Foam M

Multi-purpose expanding polyurethane foam for filling, soundproofing and insulatina. Available in gun version (MAPEPUR UNIVERSAL FOAM G) for use with a standard MAPEPUR GUN and hand-held spray can version (MAPEPUR UNIVERSAL FOAM M).

## TECHNICAL DATA:

Free expansion: up to 45 litres.
Insulating capacity MAPEPUR UNIVERSAL

FOAM G: 0.036 W/(m K).
Insulating capacity MAPEPUR UNIVERSAL

FOAM M: 0.039 W/(m K). Soundproofing capacity: 58 dB. Full hardening time: 1.5/5 hours.

Colour: yellow

Packaging: 750 ml spray can.

#### 7.9 Accessories for foams\_



## MapePUR Dispenser M

Spare nozzle for MAPEPUR type "M".

#### TECHNICAL DATA:

Packaging: bag of 12 nozzles.

Suitable for the following MAPEI products:
MAPEPUR UNIVERSAL FOAM M, MAPEPUR ROOF FOAM M. MAPEPUR FIRE FOAM M.

## 7. ELASTIC SEALANTS AND ADHESIVES



## MapePUR Easy Spray

Ergonomic grip for polyurethane foam cans (manual application type).

TECHNICAL DATA:
Packaging: box of 5 grips.
Suitable for the following MAPEI products:
MAPEPUR UNIVERSAL FOAM M, MAPEPUR ROOF
FOAM M, MAPEPUR FIRE FOAM M.
Weight: 100 g.



## MapePUR Gun Standard

Extrusion gun for MAPEPUR type "G".

#### TECHNICAL DATA:

Packaging: box with one adapter.

Suitable for the following MAPEI products:
MAPEPUR UNIVERSAL FOAM G, MAPEPUR ROOF FOAM G, MAPEPUR CLEANER.

Weight: 440 g. Nozzle: Ø 2 mm. Length of tube: 145 mm.

Spray can adapter valve: universal conical type.



# ADHESIVES AND FINISHING PRODUCTS FOR WOODEN FLOORS

## 8. ADHESIVES AND FINISHING PRODUCTS FOR WOODEN FLOORS

#### 8.1 Adhesives for wooden and laminate floors



## Adesilex LC/R

Quick-setting, solvent-free adhesive in water dispersion for bonding wooden floors.

ADESILEX LC/R is suitable for bonding on cementitious screeds made from MAPECEM, MAPECEM PRONTO, TOPCEM or TOPCEM PRONTO, wooden substrates, chip-board, masonite panels and heated floors.



#### **TECHNICAL DATA:**

Consistency: thick paste.

Colour: beige.

Open time: approximately 30 minutes. EMICODE: EC1 Plus - very low emission. Set to light foot traffic: after 24 hours.

**Polishing:** when completely dry (minimum 10 days). **Storage:** 24 months. Protect from frost.

**Application:** N° 2 or 4 notched trowel for wood.

**Consumption:** 0.8-1.0 kg/m². **Packaging:** 15 kg drums.



## Adesivil D3

Solvent-free, water-resistant vinyl adhesive for floating floors in pre-finishes wood or rigid, melamine and laminated amino-plastic.

#### TECHNICAL DATA:

Consistency: thick liquid.

Colour: white.

Dry film: transparent.

Open time: 5-10 minutes.

Set to light foot traffic: after approx. 12 hours Complete hardening: approximately 24 hours. Resistance to water: class D3 (EN 204-205). Storage: 24 months. Protect from frost. Application: by extrusion from the nozzle on the

canister.

Consumption: 0.025 kg/linear metres; 0.1-0.2 kg/m<sup>2</sup>.

Packaging: 0.5 kg bottles.



## Lignobond

Two-component, water and solvent-free epoxy-polyurethane adhesive for laying parquet. Suitable for laying any size and type of wood on all substrates. Ideal for heated screeds.

#### TECHNICAL DATA:

Consistency: comp. A: thick paste;

comp. B: fluid paste.

**Colour:** comp. A: dark brown or beige; comp. B: off-white.

**Mixing ratio:** comp. A : comp. B = 90 : 10.

Pot life of mix: 60 minutes. Open time: 1 hour. Setting time: 5 hours.

Set to light foot traffic: after 24 hours.

Sanding: after 3 days. Storage: 24 months.

**Application:** N° 2 or 4 notched trowel for wood.

Consumption: 800-1000 g/m<sup>2</sup>.

Packaging: 5 kg and 10 kg drums (A+B).



## **Ultrabond Eco 575**

Adhesive in water dispersion with strong, rapid initial hold, with very low emission of volatile organic compounds (VOC) for vinyl floorings.



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: beige.

**Open time:** approximately 25 minutes. **Final hardening time:** 24 hours.

**EMICODE:** EC1 Plus - very low emission. **Storage:** 24 months. Protect from frost.

Application: extrusion pistol.

Consumption: 325 ml every 12 metres.

Packaging: 310 ml cartridges.



## **Ultrabond** Eco P909 2K

Two-component, solvent-free, polyurethane quick adhesive with very low emission level of volatile organic compounds, class EC1 R Plus, for all types of parquet.



#### TECHNICAL DATA:

Consistency: comp. A: paste; comp. B: liquid. Colour: comp. A: ochre; comp. B: dark brown.

Mixing ratio: 9:1

Pot life of mix: 40-50 minutes. Open time: 60 minutes.

**EMICODE:** EC1 R Plus - very low emission. **Consumption:** 800-1000 g/cm<sup>2</sup>.

Storage: 12 months. Packaging: 9 + 1 kg kit.



## **Ultrabond** Eco P909 2K Fast

Two-component, solvent-free, polyurethane quick adhesive with very low emission level of volatile organic compounds (VOC) for all types of wood.

#### **TECHNICAL DATA**

Consistency: comp. A: paste; comp. B: liquid. Colour: comp. A: ochre; comp. B: dark brown.

Mixing ratio: 9:1.

Pot life of mix: 30-45 minutes.

Open time: 60 minutes.

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Consumption: 800-1000 g/m<sup>2</sup>.

Packaging: 10 kg (8.8 kg + 1.2 kg) units.



## **Ultrabond** Eco P909 2K Plus

Two-component, solvent-free, polyurethane adhesive with very low emission level of volatile organic compounds (VOC) for all types of wood.



#### TECHNICAL DATA:

Consistency: comp. A: paste; comp. B: liquid. Colour: comp. A: ochre; comp. B: dark brown.

Mixing ratio: 9:1.

Pot life of mix: 80-90 minutes.

Open time: 80 minutes.

**EMICODE:** EC1 R Plus - very low emission.

Consumption: 800-1000 g/m<sup>2</sup>.

Storage: 12 months.

Packaging: 10 kg (9 kg + 1 kg) units.



## **Ultrabond Eco S940 1K**

One-component solvent-free, silylated polymer-based adhesive with very low emission level of volatile organic compounds.



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: light beige.

Open time (formation of skin): 35 mins. Set to foot traffic: approx. 12 hours.
EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Application: notched trowel for wood. Consumption: 800-1200 g/m<sup>2</sup>. Packaging: 15 kg plastic drums.



## 8. ADHESIVES AND FINISHING PRODUCTS FOR WOODEN FLOORS



#### **Ultrabond Eco S948 1K**

One-component, solvent-free, silylated polymer-based adhesive with very low emission level of volatile organic compounds (VOC).



#### TECHNICAL DATA:

Consistency: creamy paste. Colour: light beige. Open time: 35 minutes.

Set to light foot traffic: approx. 12 hours. Polishing: 3 days. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

**Application:** MAPEI notched trowel for wood.

Consumption: 800-1200 g/m<sup>2</sup>.

Packaging: 15 kg and 7 kg (2x7 kg) drums.







## **Ultrabond Eco S955 1K**

One-component, solvent-free, silvlated polymer adhesive with very low emission level of volatile organic compounds, for all types of parquet.



#### **TECHNICAL DATA:**

Consistency: creamy paste.

Colour: beige.

Open time: 50-60 minutes. Set to light foot traffic: after 12 hours.

Sanding: after 3 days. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

**Application:** N° 2 or 4 notched trowel for wood.

Consumption: 800-1200 g/m<sup>2</sup>

Packaging: 15 kg drums and 600 ml soft-cartridges.



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## **Ultrabond Eco** S958 1K

One-component, solvent-free, silylated polymer-based adhesive with very low emission level of volatile organic compounds.



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: beige.

Open time (formation of skin): 30 minutes.

Set to light foot traffic: 12 hours. Sanding (internal areas): 3 days.

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Application: N° 2 or 4 notched trowel for wood.

Consumption: 800-1200 g/m<sup>2</sup>.

Packaging: 15 kg drums and 600 ml soft-cartridges.





## **Ultrabond Eco S968 1K**

One-component silylated polymerbased adhesive with zero plasticiser and solvent content and very low emission level of volatile organic compounds (VOC).



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: beige.

Open time: 30 minutes.

Set to light foot traffic: 12 hours.

Polishing: 3 days. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Application: MAPEI notched trowel for wood.

Consumption: 800-1200 g/m<sup>2</sup>. Packaging: 15 kg drums.









## **Ultrabond Eco** S Lite

One-component, lightweight, silylated polymer-based adhesive with zero solvent content and very low emission of volatile organic compounds ideal for the installation of all types of pre-finished or pre-polished multi-layered flooring and solid wood, medium format flooring.



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: light grey.

Open time: 30 minutes.

Set to light foot traffic: 12 hours.

Polishing (in interior): 3 days.

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

**Application:** MAPEI notched trowel for wood.

Consumption: 800 g/m<sup>2</sup>. Packaging: 11 kg plastic drums.



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## **Ultrabond Eco** S Plus

One-component, silylated polymerbased adhesive of new generation and technology with very low emission of volatile organic compounds, zero methanol emissions, ideal for the installation of any type of species and format of pre-finished solid wood on all kinds of substrate, including heated screeds.



#### TECHNICAL DATA:

Consistency: creamy paste. Colour: light beige. Open time: 30 minutes.

Set to light foot traffic: 12 hours. Polishing (in interior): 3 days.

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Application: MAPEI notched trowel for wood.

Consumption: 800-1200 g/m<sup>2</sup>. Packaging: 15 kg plastic drums.



## **Ultrabond P902 2K**

Two-component, epoxy-polyurethane adhesive for bonding all types and sizes of parquet on screeds made from MAPECEM, MAPECEM PRONTO, TOPCEM or TOPCEM PRONTO, cementitious screeds, old wooden, ceramic, marble, and terrazzo floors, etc. Also suitable for heated substrates.



Consistency: comp. A: paste; comp. B: paste. Colour: comp. A: beige or brown; comp. B: off-white. Mixing ratio: comp. A : comp. B = 90 : 10.

Pot life of mix: 60-70 minutes.

Open time: 1 hour.

Set to light foot traffic: after 24 hours.

Sanding: after 3 days. Storage: 24 months.

Application: N° 2 or 4 notched trowel for wood.

Consumption: 1.0-1.5 kg/m<sup>2</sup> Packaging: 10 kg drums (A+B).



## **Ultrabond P913 2K**

Two-component, epoxy-polyurethane adhesive for medium-sized solid wooden slats and all types of pre-finished wooden floors.

#### TECHNICAL DATA:

Consistency: comp. A: paste; comp. B: paste. **Colour:** comp. A: beige or brown; comp. B: beige. **Mixing ratio:** comp. A: comp. B = 90:10.

Pot life of mix: 60 minutes.

Open time: 60 minutes.
Set to light foot traffic: after 24 hours.

Sanding: after 3 days. Storage: 24 months.

Application: notched trowel for wood.

Consumption: according to the type of substrate.

Packaging: 10 kg drums (A+B).

## 8. ADHESIVES AND FINISHING PRODUCTS FOR WOODEN FLOORS



## **Ultrabond P980 1K**

One-component, solvent-free polyurethane adhesive with a very low emission level of volatile organic compounds for bonding pre-finished, multi-layered parquet.



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: beige. Inflammable: no.

Application temperature range: from +10°C

to +25°C.

Open time: 110 minutes.
EMICODE: EC1 R Plus - very low emission.

Storage: 12 months. Application: notched trowel. Consumption: 0.8-1 kg/m<sup>2</sup>.

Packaging: 15 kg aluminium bags contained

in plastic drums.



## **Ultrabond P990 1K**

One-component, ready-to-use, solventfree, flexible polyurethane adhesive for all types of parquet on screeds made from MAPECEM, MAPECEM PRONTO, TOPCEM and TOPCEM PRONTO, cementitious screeds, old wooden, ceramic, marble and terrazzo floors, etc. Also suitable for heated substrates.



#### **TECHNICAL DATA:**

Consistency: creamy paste. Colour: beige and brown. Open time: 110 minutes.

Set to light foot traffic: after 12 hours. Sanding: after 3 days.

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Application: N° 2 or 4 notched trowel for wood. Consumption: 0.8-1 kg/m<sup>2</sup>.

Packaging: 7 and 15 kg aluminium bags contained in plastic drums. Boxes containing 20x600 cc

soft-cartridges.



#### **Ultrabond S965 1K**

One-component, solvent-free, silvlated polymer adhesive with very low emission level of volatile organic compounds, for all types of parquet.



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: beige.

Open time: 90-100 minutes.

Set to light foot traffic: after 12 hours.

Sanding: after 3 days.

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Application: N° 2 or 4 notched trowel for wood.

Consumption: 800-1200 g/m<sup>2</sup>. Packaging: 15 kg plastic drums.



## **Ultrabond S997 1K**

One-component, solvent-free, ready-to-use, flexible, sililate polymerbased thixotropic adhesive for laying wooden steps and parquet mosaic.



#### **TECHNICAL DATA:**

Consistency: thixotropic paste.

Colour: ochre yellow.

Open time: approx. 40 ± 10 minutes.

EMICODE: EC 1 R Plus - very low emission.

Set to foot traffic: after 12 hours.

Storage: 12 months. Application: extrusion.

Consumption:

- laying wooden steps: 2 m² per soft-cartridge
- (diagonal beads every 5-10 cm);
- laying three-layered pre-finished parquet: 4/6 m² per soft-cartridge (diagonal beads every 10-15 cm);
- laying wooden baseboards: approximately 15 meters of beads of adhesive per soft-cartridge;
- laying parquet mosaic on walls: 0.5 kg/m².

**Packaging:** boxes containing 20 x 600 cc aluminium tubes.

## 8.2 Paints, stuccos, oils, base coats and coloured sealants for parquet



#### Silwood

Acrylic sealant in water dispersion for wooden floors.



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: white, 112 grey, oak, iroko, doussié, wengé, teak, walnut, cherry, faded beech, birch maple.

Open time: 10-20 minutes.

Sanding: after 24 hours. After sanding, the product

may be varnished.

EMICODE: EC1 - very low emission.

Storage: 24 months.

Application: extrusion pistol loaded with cartridge

of product

Consumption: according to the size of the joint to be filled, calculating that its density is equal to

1.75 g/cm<sup>3</sup>.

Packaging: 310 ml cartridges.



## **Ultracoat Aqua Plus**

Solvent and NMP-free, odourless, water-based binder, mixed with wood flour filler, for grouting wooden floors. Suitable for ULTRACOAT water-based varnishing cycles and ULTRACOAT OIL.



#### **TECHNICAL DATA:**

Consistency: liquid gel. Colour: off-white.

Density (g/cm<sup>3</sup>): 1.0.

Brookfield viscosity (mPa·s): 2000-3000.

Storage: 12 months.

Application temperature range: from +10°C to

Sanding: after approx. 1 hour. Varnishing: after 2 hours with water-based varnish

**EMICODE:** EC1 Plus - very low emission. **Consumption:** 100-120 g/m² per coat. **Packaging:** 5 litre tanks, 2x5 l boxes.



## **Ultracoat Base One**

One-component guick-drying waterbased basecoat primer with low emission level of volatile organic compounds and no NMP.



#### **TECHNICAL DATA:**

Consistency: liquid.

Colour: translucent straw-yellow.

Density: 1,030. Sanding: 1-2 hours.

Re-varnishing (without sanding): minimum 2 hours -

maximum 16 hours.

EMICODE: EC1 Plus - very low emission.

Consumption: 100 ml/m<sup>2</sup>. Storage: 12 months.

Packaging: 5 I tanks, 2x5 I boxes.



## **Ultracoat Binder**

Solvent and NMP-free, water-based binder, mixed with wood flour filler from any type of wood, including Merbau, for grouting wooden floors. Suitable for **ULTRACOAT** water-based varnishing cycles and ULTRACOAT OIL.



#### **TECHNICAL DATA:**

Consistency: liquid gel. Colour: transparent.

Density (g/cm<sup>3</sup>): 1.0.

Brookfield Viscosity (mPa·s): 6000/8000.

Storage: 12 months.

Application temperature range: from +10°C to

+35°C.

Sanding: after approx. 1 hour.
Varnishing: after 100-120 mins. with water-based

varnishing cycles.

EMICODE: EC1 Plus - very low emission. Consumption: 100-120 g/m<sup>2</sup> per coat.

Packaging: 5 litre tanks.

## 8. ADHESIVES AND FINISHING PRODUCTS FOR WOODEN FLOORS



## **Ultracoat Easy**

One-component water-based acrylic-polyurethane varnish for wooden floors with good resistance to wear and abrasion. Suitable for floors subjected to normal pedestrian use.

#### TECHNICAL DATA:

Consistency: liquid.
Colour: milky white.

**Density (g/cm³):** approx. 1.045 (10 gloss) - approx. 1.040 (30 gloss) - approx. 1.038 (60 gloss).

Storage: 12 months.

Dust dry: 20 mins.

Touch dry: 35-40 mins.

Maximum permitted dilution ratio (Dir. 2004/42/CEE):

10% with clean water or with ULTRACOAT EL.

Sanding: after 3 hours.

Painting over without sanding: after 2 hours, and

within a maximum of 5 hours. **Ready for use:** 36-48 hours.

Gloss factor: 10 gloss - 30 gloss - 60 gloss. Consumption: first coat 80-100 ml/m²; successive

coats 50-70 ml/m<sup>2</sup>.

Packaging: 5 litre tanks, 2x5 l boxes.



## **Ultracoat Easy Plus**

One-component, water-based 100% polyurethane varnish with low emission level of volatile organic compounds (VOC), highly resistant to wear and abrasion, for wooden floors. Suitable for floors subject to frequent pedestrian



#### TECHNICAL DATA:

Consistency: liquid. Colour: transparent. Density (g/cm³): 1.045. Storage: 12 months. Dust dry: 20 mins. Touch dry: 35-40 mins.

Maximum permitted dilution ratio (Dir. 2004/42/CEE):

10% with clean water or with ULTRACOAT EL.

Sanding: after 8 hours.

Painting over without sanding: after 2 hours, and within a maximum of 5 hours.

Ready for use: 36-48 hours.

Gloss factor: extra matte (10 gloss - 30 gloss - 60 gloss).

**EMICODE:** EC1 Plus - very low emission.

Consumption: first coat 80-100 ml/m<sup>2</sup>; successive coats

50-70 ml/m<sup>2</sup>.

Packaging: 5 litre tanks, 2x5 l boxes.



## **Ultracoat EL**

Slow-evaporating mixture to increase the open time of varnish for parquet.



**Consumption:** from 5% to 10% of the consumption of the varnish according to the dilution rate.

Packaging: 1 litre drums, 6x1 l boxes.



**Ultracoat Filler S1** 

Alcohol/solvent-based ultra quick-drying filler mixed with sawdust formed by sanding and polishing the floor.

#### TECHNICAL DATA:

Appearance: colourless.

Temperature of substrate: minimum +15°C.

Dilution: supplied ready to use.

Drying time: touch dry approx. 15 minutes at +20°C

and 50% RH.

Cleaning: white spirit or similar.
Consumption: approx 80-120 ml/m².

Storage: 2 years in a sealed container at +20°C.

Packaging: 5 litre tanks.



## **Ultracoat High Traffic**

Two-component, 100% polyurethane water-based varnish with high resistance to wear and abrasion with low emission of volatile organic compounds (VOC) for wooden floors. Suitable for floors subject to extremely high pedestrian



liquid off-white Consistency: liquid Colour: off-white
Density of Ultracoat High
Traffic 10 gloss (g/cm²): 1.040
Density of Ultracoat High
Traffic 30 gloss (g/cm²): 1.030
Density of Ultracoat High
Traffic 60 gloss (g/cm²): 1.040
EMICODE: EC1 R Plus - very low emission. transparent Colour: 1.060 1.120 1.080

Storage: 12 months. Dusty dry: 25 mins.

TECHNICAL DATA:

Touch dry: 40 mins.

Maximum permitted dilution ratio (Dir. 2004/42/EEC): 10% with

comp. A

comp. B

**EMICODE:** EC1 R Plus - very low emission. **Sanding:** after 12 hours.

Sanding: after 12 hours.

Varnishing (without sanding): after 2 hours, within 5 hours.

Ready for service: 36-48 hours.

Gloss factor: (0-10-30-60 gloss).

Consumption: first coat 80-100 ml/m²; successive coats 50-70 ml/m².

Packaging: 11 | kits (A+B) 2x5.5 |.



## **Ultracoat HT** Anti Slip

Two-component, 100% polyurethane water-based varnish for wooden floors with R9 rated non-slip properties, high resistance to wear and abrasion and very low emission of volatile organic compounds. Suitable for floors exposed to extreme levels of foot traffic.



#### TECHNICAL DATA:

comp. B comp. A Consistency: Colour: liquid off-white liquid transparent Density of Ultracoat HT
Anti Slip 10 gloss (g/cm³):
Density of Ultracoat HT
Anti Slip 30 gloss (g/cm³):
Storage time: 12 months.
Dust dry: 25 mins. 1.040 1.060 1.030 1.120

Touch dry: 40 min

Maximum permitted dilution (Dir. 2004/42/EEC): 10% with

**EMICODE:** EC1 R Plus - very low emission.

Sanding: after 12 hours.

Recoat time (without sanding): min. 2 hours, max. 5 hours.

Ready for service: 36-48 hour Gloss: (0-10-30).

Consumption: 80-100 ml/m² first coat, 50-70 ml/m²

Packaging: 11 litre kit (A+B) 2x5.5 litre packs.



## **Ultracoat HT Sport**

Two-component, water-based polyurethane varnish for wooden playing surfaces.

ULTRACOAT HT SPORT complies with European standards for indoor playing surfaces and multi-purpose playing surfaces (EN 14904:2006). Its surface hardness combined with its strength and resistance to chemicals make ULTRACOAT HT SPORT a highly reliable product.



#### **TECHNICAL DATA:**

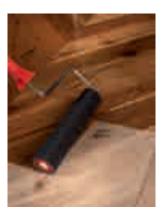
comp. A comp. B Consistency: liquid liquid Colour: milky white transparent **Density:** 1.035 1.075

Mixing ratio: (A : B) 10 : 1.

Viscosity of mix: 40 secs. (Ø 3 Ford cup). EMICODE: EC1 R Plus - very low emission.

Buffing: 8 hours.

Ready for service: 48 hours. Storage: 12 months. Packaging: 2x5 kg box.



## **Ultracoat Oil**

Natural drying oil resin for treating wooden floors with an oil finish.

#### **TECHNICAL DATA:**

Consistency: fluid.

Storage: 24 months. Once opened a skin forms on the surface and then hardens with time.

Application: with a roller or trowel (ULTRACOAT OIL ROLLER/ULTRACOAT STEEL SPATULA).

Consumption:

absorbent floors: approx. 150 g/m²;

floors with low absorbency: approx. 70 g/m².

Packaging: 2,5 litre tanks.

## 8. ADHESIVES AND FINISHING PRODUCTS FOR WOODEN FLOORS



**Ultracoat Oil Care** 

Natural drying resin oil in water dispersion for finishing wooden floors treated with oil.



Consistency: fluid.
Storage: 24 months. Protect from frost.

Application: wax spreader.

Drying time: 30-60 minutes at +20°C. Complete

hardening after 24 hours. Set to light foot traffic: 1 hour. Ready for use: 3 days. Consumption: approx. 15 g/m<sup>2</sup>. Packaging: 5 and 1 litre drums.



## **Ultracoat Oil Color**

Low-odour urethane oil finish for colouring wooden floors. It can be painted over with the ULTRACOAT finishes.

#### **TECHNICAL DATA:**

Consistency: fluid. Appearance: coloured oil.

Colours: white, black, walnut, mahogany, cherry red,

grey, grey wave. Density (g/cm³): 0.8.

Application temperature range: +10°C/+25°C.

Application: roller, brush, pad or trowel. Removal time: 35 to 45 minutes

Buffing: after 16 hours with a ULTRACOAT

BLACK PAD.

Ready for service: after 3 days.

**Consumption:** 1 litre every 10 to 50 m<sup>2</sup> depending on the absorption of the wood and the intensity of colour required.

Packaging: 2.5 l.



## **Ultracoat Oil Plus**

Low-odour urethane oil finish for wooden floors. It can be painted over with the ULTRACOAT finishes.

## **TECHNICAL DATA:**

Consistency: fluid. Appearance: oil. Colour: neutral. Density (g/cm<sup>3</sup>): 0.8.

Application temperature range: +10°C/+25°C. Application: roller, bruch, pad or trowel.

Removal time: 35 to 45 minutes.

**Buffing:** after 16 hours with a ULTRACOAT

BLACK PAD.

Ready for service: after 3 days.

Consumption: 1 litre every 10 to 50 m<sup>2</sup> depending on the absorption of the wood and the intensity of

colour required. Packaging: 2.5 l.



## **Ultracoat Oil Wax**

Water and oil-repellent oil/wax finish with very little odour used to protect wooden surfaces and give them a delicate, warm colour.

#### **TECHNICAL DATA:**

Consistency: fluid. Appearance: oil. Colour: neutral. Density (g/cm<sup>3</sup>): 0.8.

Application temperature: +10°C - +25°C. Application: roller, brush, pad or trowel. Removal time: after 35-45 minutes.

Consumption: 1 litre every 10 to 30 m² depending on

the absorption of the wood. Packaging: 2.5 I tanks.



## **Ultracoat Premium Base**

Two-component, NMP-free, waterbased undercoat with low emission of volatile organic compounds (VOC) and high insulating capacity, for preparing solid and pre-sanded wooden floors and wooden floors under repair for waterbased finishing cycles.



#### **TECHNICAL DATA:**

comp. A comp. B Consistency: liquid liquid. Colour: milky white transparent. Density (g/cm³): 1.030 1.075. 12 months. 12 months Storage:

Duration of mix: 2 hours.

Mixing ratio: comp. A: comp. B = 5 : 1 (by volume).

Maximum permitted dilution ratio (Dir. 2004/42/EEC): 10% with clean water or with ULTRACOAT EL.

Sanding: after 12 hours.

Varnishing (without sanding): after 2 hours, within

5 hours.

Consumption: 80-100 g/m<sup>2</sup> per coat. Packaging: 6 litre kits (A+B), 2x6 l boxes.



## **Ultracoat Soft Touch Base**

One-component, rapid drying, water-based primer for preparing wooden floors before applying ULTRACOAT SOFT TOUCH FINISH.

Product with low emission of volatile organic compounds (VOC).



#### TECHNICAL DATA:

Consistency: liquid. Colour: milky.

Density (g/cm<sup>3</sup>): 1.025.

Viscosity (Ford cup number 3): 45 sec.

Maximum permitted dilution ratio (Dir. 2004/42/EEC): 10% with clean water or ULTRACOAT EL.

Buffing: after 2 hours.

EMICODE: EC 1 - very low emission. Consumption: 80-100 g/m<sup>2</sup>. Packaging: 5 I cans (2x5 I boxes).



## **Ultracoat Soft Touch Finish**

Two-component, water-based, 100% polyurethane varnish with low emission of volatile organic compounds (VOC). Natural, soft finish for protecting wooden floors in residential and commercial environments.



#### TECHNICAL DATA:

Consistency: comp. A: milky liquid; comp. B: liquid. Colour: comp. A: milky; comp. B: colourless. Density (g/cm³): comp. A: 1.025; comp. B: 1.075. Viscosity comp. A+B (tazza Ford 3): 55 sec.

Dust dry: 25 min. Touch dry: 40 min.

Maximum permitted dilution ratio (Dir. 2004/42/EEC):

10% with clean water or ULTRACOAT EL.

Buffing: after 12 hours.

Re-varnishing (without buffing): between 2 and

5 hours.

Gloss level: < 5.

EMICODE: EC 1 R - very low emission. Consumption: 50-70 ml/m<sup>2</sup> per coat. Packaging: 5.5 I units (2x5.5 I boxes).



## **Ultracoat Solvent Base**

Alcohol-based ultra quick-drying base coat for wooden floors.

#### **TECHNICAL DATA:**

Appearance: colourless. **Dilution:** supplied ready to use.

**Drying time:** touch dry approx. 15 minutes at +20°C and 50% RH.

Cleaning: white spirit. Consistency: liquid.
Sanding: 15-20 minutes.

Re-varnishing (without sanding): 15/20 minutes.

Storage: 24 months. **Yield:** 10 m<sup>2</sup> per litre. Packaging: 10 litre tanks.

## 8. ADHESIVES AND FINISHING PRODUCTS FOR WOODEN FLOORS



## **Ultracoat Sport Color**

One-component water-based coloured acrylic paint for marking out playing areas on wooden sports surfaces.

TECHNICAL DATA: Consistency: liquid.

Colour: various colours.

Density: 1.05/1.1 depending on the colour.

Cps viscosity: 600-1000 depending on the colour.

Sanding: after 2 hours.

Maximum permitted dilution ratio
(Dir. 2004/42/CEE): 10% with clean water.



## Ultracoat Toning Base

Two-component, water-based toning undercoat with high insulating properties with low emission of volatile organic compounds (VOC), no NMP for preparing solid and pre-sanded wooden floors and wooden floors under repair prior to applying ULTRACOAT water-based finishing cycles.

#### **TECHNICAL DATA:**

comp. A comp. B
Consistency: liquid liquid
Colours: milky white transparent
Density (g/cm³): 1.030 1.075
Storage: 12 months 12 months

Pot life of mix: 2 hours.

Mixing ratio: comp. A : comp. B = 5 : 1 (by volume). Maximum permitted dilution ratio (Dir. 2004/42/EEC):

10% with clean water or ULTRACOAT EL.

Buffing: after 16/24 hours.

Varnishing without sanding: after 2 hours and within

5 hours.

Consumption: 80-100 g/m<sup>2</sup> per coat.

Packaging: 6 I units (A+B).



## Ultracoat Top Deck Cleaner

Ready-to-use alkaline solution used for maintenance work on external wooden flooring treated with ULTRACOAT TOP DECK OIL.

## TECHNICAL DATA:

**pH:** 13

**Dilution ratio:** 3/10 dl in 10 litres of lukewarm water.

Drying time: 24 hours.

Cleaning of tools: soap and lukewarm water.

Storage: 12 months.

Consumption: depending on the type of floor.

Packaging: 4 litres.



**Ultracoat Top Deck Oil** 

Oil finishing product for treating external wooden floors.

TECHNICAL DATA:

Application: roller or brush.

Dust dry: 6 hours. Touch dry: 24 hours. Buffing: do not buff. Colours: teak and neutral. Storage: 12 months.

Consumption: 1 litre for 12-15 m<sup>2</sup>.

Packaging: 5 litres.



## **Ultracoat Traffic MT**

Two-component water-based acrylic/polyurethane varnish for wooden floors with high resistance to wear and abrasion; certified EMICODE EC1 R Plus very low emission level of volatile organic compounds. Suitable for floors subjected to medium to high pedestrian use.



#### TECHNICAL DATA:

Consistency: comp. A - milky liquid, comp. B - liquid.
Colour: comp. A - off-white, comp. B - transparent.
Mixing ratio (A: B): 10: 0.25.
EMICODE: EC1 R Plus - very low emission.

Sanitair (France): A. Dust dry: 25 mins. Touch dry: 40 mins.

Maximum permitted dilution ratio (Dir. 2004/42/EEC): 10% with clean water.
Sanding: after 12 hours.

Re-varnishing (without sanding): after 2 hours and within

5 hours.

Gloss: 10-30 gloss.
Önorm C2354: class C.
Storage: 12 months in its original, sealed packaging in a

Consumption: 80-100 ml/m² for the first coat and

50-70 ml/m<sup>2</sup> for the next coats. **Packaging:** kit (A+B) - 4.5 I + 0.225 I.



## **Ultracoat Universal Base**

One-component, NMP-free, water-based rapid undercoat, with low emission of volatile organic compounds (VOC) for wooden floors.



#### TECHNICAL DATA:

Consistency: liquid. Colour: transparent. Storage: 12 months.

Maximum permitted dilution ratio (Dir. 2004/42/EEC):

10% with clean water or ULTRACOAT EL.

Sanding: after 2 hours.

Varnishing (without sanding) (for three-coat cycles): after 2 hours, within 5 hours. Consumption: 80-100 g/m<sup>2</sup> per coat.

Packaging: 5 litre units.



## 9.1 Adhesives in water dispersion



## **Adesilex MT32**

Adhesive in water dispersion for laying all types of wall coverings, wallpaper, glass-fibre fabrics and non-woven



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: white

Waiting time: 0-10 minutes. Open time: 30 minutes.

**Storage:** 12 months. Protect from frost. **EMICODE:** EC1 Plus - very low emission. **Application:** N°1 MAPEI trowels or TKB A1 or roller.

Consumption: 150-250 kg/m<sup>2</sup>.

Packaging: 5 and 20 kg drums.



## Adesilex TDV

Ready-to-use adhesive in water dispersion for laying wall coverings, nonwoven fabric and glass fibre coverings.



#### **TECHNICAL DATA:**

Consistency: creamy paste.

Colour: white

Waiting time: 0-10 minutes. Open time: 20 minutes.

Waiting time before painting: 24 hours. Storage: 12 months protect from frost. EMICODE: EC1 Plus - very low emission. Application: N°1 MAPEI trowels, TKB A1 or roller.

Consumption: 150-250 kg/m<sup>2</sup>. Packaging: 5 and 20 kg drums.



## Adesilex V4

Multi-purpose adhesive for bonding vinyl and textile floorings.



Consistency: creamy paste.

Colour: white

Waiting time: 10-20 minutes. Open time: 20-30 minutes. Set to light foot traffic: 3-5 hours. Ready for use: 24-48 hours.

Storage: 12 months. Protect from frost.

**Application:** N° 1, 2, 3 MAPEI trowels, TKB A1, A2,

Consumption: 300-500 g/m<sup>2</sup>. Packaging: 5, 12 and 25 kg drums.



## Adesilex VS45

High and fast initial tack adhesive for laying resilient wall coverings.

#### **TECHNICAL DATA:**

Consistency: creamy paste.

Colour: white.
Waiting time: 0-10 minutes. Open time: 10-20 minutes.

Storage: 12 months. Protect from frost. Application: N° 1, MAPEI trowels, TKB A1, A2. Consumption: 200-300 g/m².

Packaging: 16 and 5 kg drums.



Aquacol T

Hard-set adhesive with long open time for textile and linoleum floorings.



#### TECHNICAL DATA:

Consistency: creamy paste.
Colour: light beige. Waiting time: 10-20 minutes.
Open time: 20-30 minutes.

Set to light foot traffic: 3-5 hours.

Ready for use: 24-48 hours.

EMICODE: EC1 Plus - very low emission.

Storage: 12 months. Protect from frost.

Application: N° 2, 3 MAPEI trowels, TKB A2, B1, B2.

Consumption: 300-450 g/m².

Packaging: 5, 16 and 25 kg drums.





## Mapecryl Eco

Multi-purpose adhesive for vinyl, textile and linoleum wall and floor coverings.



#### TECHNICAL DATA:

Consistency: creamy paste. Colour: light beige. Waiting time: 0-10 minutes. Open time: 20-30 minutes. Set to light foot traffic: 3-5 hours.

Ready for use: approximately 24-48 hours. EMICODE: EC1 Plus - very low emission. Storage: 12 months. Protect from frost.

Application: N° 1, 2, 3 MAPEI trowels, TKB A1, A2,

B1, B2.

Consumption: 250-450 g/m<sup>2</sup>. Packaging: 16 and 25 kg drums.



#### Rollcoll

Multi-purpose adhesive in water dispersion for laying vinyl and textiles floor and wall coverings.



Consistency: creamy paste.

Colour: light beige.

Waiting time: applied by trowel: from 10 to 20 minutes; applied by roller or spray: from 0 to 10 minutes.

#### Open time:

- applied by trowel: 30-40 minutes;

- applied by roller or spray: 20-30 minutes.

Set to light foot traffic: 3-5 hours. Ready for use: 24-48 hours.

Storage: 12 months. Protect from frost.

Application: N° 1, 2, 3 MAPEI trowels, TKB A1, A2,

B1, B2, roller or spray. Consumption:

by trowel: 300-500 g/m²;

- by roller: 200-300 g/m<sup>2</sup>

Packaging: 1, 5, 12 and 25 kg drums.



## **Ultrabond 333**

Multi-purpose adhesive with long open time for vinyl, textiles and linoleum floor and wall coverings.

#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: light beige.
Waiting time: 10-20 minutes. Open time: 30-40 minutes.

Set to light foot traffic: 3-5 hours.

Ready for use: approximately 24-48 hours. Storage: 12 months. Protect from frost.

Application: N° 1, 2 notched trowel, TKB A1, A2, B1, B2.

Consumption: 0.30-0.50 kg/m<sup>2</sup>. Packaging: 16 and 25 kg drums.



#### **Ultrabond Eco 4 LVT**

Fibre-reinforced LVT adhesive. Specifically developed for the installation of LVT SPC and rigid LVT, it guarantees the highest performances in terms of adhesion and dimensional stability.



#### TECHNICAL DATA:

Consistency: creamy paste. Colour: light beige. Density (g/cm³): 1.20. Waiting time: 0-10 minutes. Open time: 20-30 minutes. Set to light foot traffic: 3-5 hours.

Ready for use: 24-48 hours.

EMICODE: EC1 Plus - very low emission.

Storage: 12 months. Protect from frost.

Application: N° 1, MAPEI trowels, TKB A1, A2.

Consumption: 200-300 g/m².

Packaging: 16 kg and 5 kg drums.





## **Ultrabond Eco 140**

Hard set adhesive for textile and linoleum floorings.



#### TECHNICAL DATA:

Consistency: creamy paste. Colour: light beige. Waiting time: 0-10 minutes. Open time: 20-30 minutes. Set to light foot traffic: 3-5 hours. Ready for use: 24-48 hours.

EMICODE: EC1 Plus - very low emission. Storage: 12 months. Protect from frost.

Application: N° 2, 3 MAPEI trowels, TKB A2, B1, B2.

Consumption: 350-500 g/m<sup>2</sup>. Packaging: 16 kg drums.



## **Ultrabond Eco 170**

www.blauer-engel.de/uz113

Adhesive with high initial tack and long open time, for textile floorings.



#### TECHNICAL DATA:

Consistency: creamy paste. Colour: light beige. Waiting time: 10-20 minutes. Open time: 20-30 minutes.

Set to light foot traffic: approximately 3-5 hours.

Ready for use: after 24-48 hours. EMICODE: EC1 Plus - very low emission. Storage: 12 months. Protect from frost.

Application: N° 2 MAPEI trowels, TKB A2, B1, B2.

Consumption: 300-450 g/m<sup>2</sup>. Packaging: 16 kg drums.



www.blauer-engel.de/uz113



## **Ultrabond Eco 185**

SBR based adhesive with high initial tack and long open time for textile



#### TECHNICAL DATA:

Consistency: creamy paste. Colour: light beige.
Waiting time: 10-20 minutes. Open time: 20-30 minutes.

Set to light foot traffic: 3-5 hours. Ready for use: 24-48 hours. EMICODE: EC1 - very low emission. Storage: 12 months. Protect from frost.

Application: N° 2, 3 notched trowels, TKB A2, B1, B2.

Consumption: 300-450 g/m<sup>2</sup>. Packaging: 16 kg drums.





#### **Ultrabond Eco 195**

Hand-set, low-odour, adhesive with long open time, for textile floorings.



LOW ODOUR

#### TECHNICAL DATA:

Consistency: creamy paste. Colour: light beige.
Waiting time: 0-20 minutes.
Open time: 20-30 minutes. Set to light foot traffic: 3-5 hours.

Ready for use: approximately 24-48 hours.
EMICODE: EC1 Plus - very low emission.
Storage: 12 months. Protect from frost.
Application: N° 2, 3 MAPEI trowels, TKB A2, B1, B2.
Consumption: 300-450 g/m².

Packaging: 16 kg drums.





## **Ultrabond Eco 350**

Adhesive with long open time for vinyl floor and wall coverings.



#### TECHNICAL DATA:

Consistency: creamy paste. Colour: light beige. Waiting time: 10-20 minutes. Open time: 50-60 minutes. Set to light foot traffic: 3-5 hours. Ready for use: 24-48 hours. **EMICODE:** EC1 - very low emission. **Storage:** 12 months. Protect from frost. Application: N° 1, MAPEI trowels, TKB A1, A2.

Consumption: 200-450 g/m<sup>2</sup>. Packaging: 16 kg drums.



## **Ultrabond Eco 375**

Adhesive with long open time for vinyl floor and wall coverings.



#### TECHNICAL DATA:

Colour: light beige. Waiting time: 10-20 minutes.

Open time: 40-50 minutes. Set to light foot traffic: 3-4 hours. Ready for use: 24-48 hours.

EMICODE: EC1 Plus - very low emission.

Storage: 12 months.

Application: N° 1 MAPEI trowel, TKB A1, A2.

Consumption: 200-300 g/m².

Packaging: 16 kg drums.





www.blauer-engel.de/uz113



"Pressure sensitive" adhesive with strong and fast initial tack, very long open time, for vinyl floor and wall coverings.



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: light beige.
Waiting time: 10-20 minutes. Open time: 60-70 minutes. Set to light foot traffic: 3-4 hours. Ready for use: 24-48 hours.

Storage: 12 months. Protect from frost.

Application: N° 1 MAPEI trowel, TKB A1, A2.

Consumption: 200-300 g/m².

Packaging: 16 kg drums.



## **Ultrabond Eco 520**

Adhesive with high initial tack for linoleum floors and resilient wall coverings.



#### TECHNICAL DATA:

Consistency: creamy paste. Colour: light beige. Waiting time: 10-20 minutes. Open time: 20-30 minutes. Set to light foot traffic: 3-5 hours.

Ready for use: 24-48 hours. EMICODE: EC1 Plus - very low emission. Storage: 12 months. Protect from frost.

Application: N° 2, 3 MAPEI trowels, TKB B1, B2.

Consumption: 300-450 g/m².

Packaging: 16 kg drums.





## **Ultrabond Eco 530**

Adhesive with high and fast initial bond. For the wet-bed installation of linoleum and resilient wall coverings.



#### TECHNICAL DATA:

Consistency: creamy paste. Colour: light beige. Waiting time: 0-10 minutes. Open time: 15-20 minutes. Set to light foot traffic: 3-5 hours. Ready for use: 24-48 hours.

EMICODE: EC1 Plus - very low emission. Storage: 12 months. Protect from frost. Application: N° 2, 3 MAPEI trowels, TKB B1, B2.

Consumption: 300-450 g/m<sup>2</sup>. Packaging: 16 kg drums.





www.blauer-engel.de/uz113



## **Ultrabond Eco 540**

SBR based adhesive with strong initial tack and long open time for linoleum floorings.



#### TECHNICAL DATA:

Consistency: creamy paste. Colour: light beige. Waiting time: 10-20 minutes. Open time: 20-30 minutes. Set to light foot traffic: 3-5 hours. Ready for use: 24-48 hours. EMICODE: EC1 - very low emission.

Storage: 12 months. Protect from frost. Application: N° 2, 3 MAPEI trowels, TKB B1, B2.

Consumption: 300-450 g/m<sup>2</sup>. Packaging: 16 kg drums.



### **Ultrabond Eco 550**

Hard and fast set adhesive for linoleum floors.



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: beige.

Waiting time: 0-10 minutes. Open time: 20-30 minutes. Set to light foot traffic: 3-5 hours. Ready to use: 24-48 hours.

EMICODE: EC1 Plus - very low emission.

Storage: 12 months. Protect from frost.

Application: N° 2, 3 MAPEI trowels, TKB B1, B2.

Consumption: 300-450 g/m<sup>2</sup>. Packaging: 16 kg drums.



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**Ultrabond Eco 575** 

Synthetic polymer adhesive in water dispersion for installing skirtings.



TECHNICAL DATA:

Consistency: creamy paste.

Colour: beige.

Open time: 25 minutes.

Final hardening lime: 24 hours.

EMICODE: EC1 Plus - very low emission. **Storage:** 24 months. Protect from frost.

Application: by extrusion.

Consumption: 325 ml each 12 linear m.

Packaging: 310 ml cartridges.



## **Ultrabond Eco** Fast Track

Fast set, universal adhesive quick renovation of resilient floor coverings and for installing, coves and stairs.



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: beige.

Waiting time: 5-10 minutes. Open time: 15 minutes. Set to light foot traffic: 1 hour. Ready to use: 12 hours.

EMICODE: EC1 - very low emission.

Storage: 12 months. Protect from frost.

Application: N° 1, 2, 3 MAPEI trowels, TKB A1, A2,

B1, B2.

Consumption: 200-400 g/m<sup>2</sup>. Packaging: 5 kg drums.



## **Ultrabond Eco Fix**

Adhesive and fixative with high residual tack for loose-lay floorings.



#### **TECHNICAL DATA:**

Consistency: creamy paste.

Colour: light beige.

Waiting time: 30 minutes - 12 hours.

Set to light foot traffic: immediately after laying. Ready for use: immediately after laying. EMICODE: EC1 Plus - very low emission. Storage: 12 months. Protect from frost.

Application: N° 1 MAPEI trowel TKB A1, A4 or by

Consumption: 80-150 g/m<sup>2</sup>. Packaging: 10 kg drums.



## **Ultrabond Eco Remove**

Water-removable adhesive and fixative for laying textile and vinyl flooring.



#### **TECHNICAL DATA:**

Consistency: creamy paste.

Colour: light beige.
Waiting time: 0-10 minutes (or when it turns

opalescent if used as a fixative).

Set to light foot traffic: 3-5 hours (or immediate when

used as a fixative).

Ready for service: 24-48 hours (or immediate when

used as a fixative). Storage: 12 months.

Application: N° 1, 2 MAPEI trowels, TKB A1, A2, B1,

B2, or by roller.

Consumption: 150-300 g/m<sup>2</sup>. Packaging: 16 kg drums.



#### **Ultrabond Eco Tack**

Anti-slide tackifier with high residual tack for textile loose-lay tiles.



## **TECHNICAL DATA:**

Consistency: liquid. Colour: light beige.

Waiting time: 30 minutes (max. 12 hours).
Set to light foot traffic: immediately after laying.
Ready for use: immediately after laying.
EMICODE: EC1 Plus - very low emission.
Storage: 12 months.

Application: by roller. Consumption: 100-200 g/m<sup>2</sup>. Packaging: 15 kg drums.



## **Ultrabond Eco** Tack 4 LVT

Anti-slide fixative for loose-lay LVT, SPC and rigid LVT.



#### TECHNICAL DATA:

Consistency: liquid. Colour: white.

Waiting time: install flooring when the adhesive becomes transparent (after 30 mins-6 hours, depending on surrounding conditions and absorption

of the substrate).

Set to light foot traffic: immediately after installation.

Ready for use: immediately after installation. EMICODE: EC1 - very low emission. Storage: 12 months. Protect from frost.

Application: roller.

Consumption: 90-130 g/m<sup>2</sup>. Packaging: 15 kg drums.



## **Ultrabond** Eco Tack TX+

Anti-slide tackifier for loose-lay carpet tiles.



#### **TECHNICAL DATA:**

Consistency: liquid.

Colour (wet/dry): white/transparent. Waiting time: 15 minutes (max. 12 hours).

Set to light foot traffic: immediately after installation. Ready for use: immediately after installation.

EMICODE: EC1 Plus - very low emission. Storage: 12 months.

Application: roller. Consumption: 50-100 g/m<sup>2</sup>. Packaging: 5 and 10 kg tanks.



## **Ultrabond Eco TX3**

Excellent wet grab adhesive with early build up of strength for textile and linoleum floorings.



#### **TECHNICAL DATA:**

Consistency: creamy paste. Colour: light beige.
Waiting time: 0-10 minutes.

Open time: 20-30 minutes. Set to light foot traffic: 3-5 hours. Ready for use: 24-48 hours.

**EMICODE:** EC1 Plus - very low emission. **Storage:** 12 months. Protect from frost. **Application:** N° 2, 3 MAPEI trowels, TKB B1, B2. **Consumption:** 350-500 g/m².

Packaging: 16 kg drums.



## **Ultrabond Eco V4 Evolution**

"All in one" universal adhesive with strong, rapid initial tack and long open time for resilient and textile floor and wall-coverings.



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: light beige.

Waiting time: 10-20 minutes (30-40 minutes on low/ non-absorbent substrates).

Open time: 60-70 minutes (up to 120 minutes on non-

absorbent substrates).

Set to light foot traffic: 3-5 hours. Ready for service: 24-48 hours.

EMICODE: EC1 Plus - very low emission.

Storage: 12 months. Protect from frost.

Application: N° 1, 2, 3 MAPEI trowels, TKB A1, A2,

B1, B2, roller.

Consumption: 200-450 g/m<sup>2</sup>. Packaging: 16 and 5 kg drums.



## **Ultrabond Eco V4SP**

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Universal, high-performance adhesive for laying resilient and carpet flooring and covering.



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: light beige.

Waiting time: 10-20 minutes (30-40 minutes on low/

non-absorbent substrates). Open time: 30-40 minutes. Set to light foot traffic: 3-5 hours. Ready for use: 24-48 hours.

EMICODE: EC1 Plus - very low emission. Storage: 12 months. Protect from frost. Application: N° 1, 2, 3 MAPEI trowels, TKB A1, A2,

B1. B2.

Consumption: 200-450 g/m<sup>2</sup>. Packaging: 5 and 16 kg drums.



## **Ultrabond Eco V4SP Conductive**

Light-coloured adhesive for installing conductive floorings.



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: light grey.

Waiting time: 0-10 minutes. Open time: 15 minutes. Set to light foot traffic: 3-5 hours.

Ready for use: 48-72 hours Electrical resistance: 100,000 ohm. EMICODE: EC1 Plus - very low emission. Storage: 12 months. Protect from frost.

Application: notched trowel. Consumption: 300-400 g/m<sup>2</sup>. Packaging: 16 kg drums.





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## **Ultrabond Eco V4SP Fiber**

High-performance, universal, fibrereinforced adhesive for resilient and textile floorings.



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: light beige.
Waiting time: 0-10 minutes. Open time: 20-30 minutes. Set to light foot traffic: 3-5 hours. Ready for use: 24-48 hours.

EMICODE: EC1 Plus - very low emission.

Storage: 12 months. Protect from frost.

Application: N° 1, 2, 3 MAPEI trowels, TKB A1, A2,

B1, B2.

Consumption: 200-450 g/m<sup>2</sup>. Packaging: 16 kg drums.



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**Ultrabond Eco VS30** 

Multi-purpose adhesive for PVC, linoleum and textile flooring.



#### TECHNICAL DATA:

Consistency: creamy paste. Colour: light beige. Waiting time: 0-10 minutes. Open time: 20-30 minutes. Set to light foot traffic: 3-5 hours.

Ready for use: approximately 24-48 hours. EMICODE: EC1 Plus - very low emission. Storage: 12 months. Protect from frost. Application: N° 1, 2 notched trowel, TKB A1, A2,

B1, B2.

Consumption: 0.30-0.50 kg/m<sup>2</sup>. Packaging: 16 and 25 kg drums.





## **Ultrabond Eco** VS90 Plus

www.blauer-engel.de/uz113

High temperature universal adhesive for resilient and textile floorings.



#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: beige.

Waiting time: 0-10 minutes. Open time: 20-30 minutes. Set to light foot traffic: 3-5 hours. Ready to use: 24-48 hours.

EMICODE: EC1 Plus - very low emission. Storage: 12 months. Protect from frost.

Application: N° 1, 2, 3 MAPEI trowels, TKB A1, A2,

B1, B2.

Consumption: 200-450 g/m<sup>2</sup>. Packaging: 5 and 16 kg drums.



## **Ultrabond Super Grip**

Acrylic, deformable assembly adhesive for internal use, with high initial sucker effect.



#### TECHNICAL DATA:

Viscosity: creamy thixotropic paste.
Open time: 10-15 minutes.

Initial tensile strength: 17 N. Final tensile strength: 32.5 kg/cm<sup>2</sup>. Hardening time: 24-48 hours. Dry solids content: 70%.

EMICODE: EC1 Plus - very low emission.

Colour: white.

Application: extrusion gun.

Consumption: 15 metres of bead (5 mm diameter

Packaging: 310 ml cartridges.



## **Ultrabond TX57**

High and fast initial tack adhesive for textile and linoleum floorings.



#### **TECHNICAL DATA:**

Consistency: creamy paste.

Colour: light beige.
Waiting time: 0-20 minutes.

Open time: 20-30 minutes. Set to light foot traffic: 3-5 hours. Ready for use: 24-48 hours.

Storage: 12 months. Protect from frost.

Application: N° 2, 3 MAPEI trowels, TKB A2, B1, B2.

Consumption: 300-550 g/m².

Packaging: 5 kg, 12 kg and 25 kg drums.

## 9.2 Ancillary productss for LVT\_



Flexcolor 4 LVT

Ready to use grout for Luxury Vinyl Tiles.





#### TECHNICAL DATA:

Consistency: thick paste.

Colours: 112 medium grey, 114 anthracite, 120 black, 130 jasmine, 134 silk, 146 rich brown.

Waiting time before finishing operation:

10-15 minutes.

Set to light foot traffic: 24 hours. Ready for use: 72 hours. EMICODE: EC1 - very low emission.

Application: rubber float.

Cleaning and finishing: Scotch-Brite® pad and

MAPEI sponge. Storage: 12 months.

Consumption: according to the size of the joints.

Packaging: 1 and 5 kg drums.



## Kerapoxy 4 LVT

Two-component epoxy grout for LVT floorings.



#### TECHNICAL DATA:

Mixing ratio: 9/1.

Consistency: comp. A: thick paste; comp. B: gel. Colours: 112 medium grey, 114 anthracite, 120 black, 130 jasmine, 134 silk, 146 rich brown.

Pot life: approx. 45 minutes. Set to light foot traffic: 12 h. Ready to use: 3 giorni. Application: rubber float.

Cleaning and finishing: Scotch-Brite® pad and

MAPEI sponge. Storage: 24 months.

Consumption: according to the size of the joints and

of the LVT.

Packaging: 2 kg units.



## Mapecoat 4 LVT

Two component aliphatic, anti-slip polyurethane finish in water dispersion for LVT.



#### TECHNICAL DATA:

Mixing ratio: 5/1. Dust dry: 30 minutes. Touch dry: 50 minutes.

Re-varnishing (if required): min. 2 hours - max. 48 hours (after more than 48 hours, the surface will need to be adequately prepared with a red or green ULTRACOAT PAD).

Set to light foot traffic: 16 hours.

Ready for use (also in contact with shower water): 24 hours. EMICODE: EC1 R - very low emission. Gloss level (approximate value): 10-30 gloss.

Slip resistance according to DIN 51130 and AS 4586: R11. Barefoot slip resistance according to DIN 51097 and

**AS 4586:** A+B.

Slip resistance according to EN 13036-4 and AS 4586 (pendulum method): dry: 90; wet: 55.
Slip resistance (Method B.C.R.): leather, dry surface (µ): 0.56;

rubber, dry surface ( $\mu$ ): 0.74; rubber, wet surface ( $\mu$ ): 0.81. **Consumption:** 80-100 g/m<sup>2</sup>.

Packaging: 1.2 kg kits (A + B).



## Mapesonic GD 4 LVT

Self-adhesive, low-thickness, high-density, sound proofing system, for LVT reinforced with glass fibre mesh, designed to block and reduce trasmission of foot step noise through floors.



#### TECHNICAL DATA:

Thickness: 1.5 mm. Size: 10 m x 1 m sheets. Weight: 1.1 kg/m<sup>2</sup>

Dimensional stability (ISO 23999): <0.2%.

Reduction of noise from footsteps (ISO 101401-1):

16 dB (for 2.5 mm thick LVT). **EMICODE:** EC1 Plus - very low emission. **Packaging:** 10 x 1 m (10 m²) rolls.



## Mapesonic SA 4 LVT

Self-adhesive, low-thickness, high-density, sound proofing system, for LVT reinforced with glass fibre mesh, designed to block and reduce trasmission of foot step noise through floors.



#### **TECHNICAL DATA:**

Thickness: 1.7 mm. Size: 10 m x 1 m sheets. Weight: 1.1 kg/m<sup>2</sup>.

Dimensional stability (ISO 23999): <0.2%.

Reduction of noise from footsteps (ISO 101401-1):

16 dB (for 2.5 mm thick LVT). **EMICODE:** EC1 Plus - very low emission. Packaging: 10 x 1 m (10 m<sup>2</sup>) rolls.



## Planiprep 4 LVT

Ready-to-use grout smoother for LVT. This product is used to level off and smooth over (down to a feather edge in layers up to 2 mm thick) existing internal ceramic and stone surfaces. It fills joints and gaps between tiles and forms a fine, smooth finish suitable for loose-lay LVT tiles and planks or to be bonded with reactive adhesives, such as ULTRABOND ECO MS 4 LVT WALL very quickly (after 2 hours).



Where to use: internal floors and walls for loose-lay

Consistency: thick paste.

Colour: white.

Thickness applied: 0-2 mm (up to 3-4 mm in gaps and joints).

Set to light foot traffic: approx. 1 hour.

Waiting time before sanding and applying LVT:

approx. 2 hours.

EMICODE: EC1 Plus - very low emission.

Storage: 12 months. Application: trowel. Consumption: 80-100 g/m<sup>2</sup>. Packaging: 10 kg drums.



# Planiprep Remove

Ready-to-use grout smoother for looselay LVT easy to remove without leaving any residual.

This product is used to level off and smooth over (down to a feather edge in layers up to 2 mm thick) existing internal ceramic and stone surfaces. It fills joints and gaps between tiles and forms a fine, smooth finish suitable for loose-lay LVT tiles and planks.



#### TECHNICAL DATA:

Where to use: internal floors, for loose-lay LVT.

Consistency: thick paste.

Colour: white.

Thickness applied: 0-2 mm.

Set to light foot traffic: 12-24 hours. Waiting time before sanding and installing loose-

lay or glue-down LVT: 12-24 hours.

EMICODE: EC1 Plus - very low emission.

Storage: 12 months. Application: trowel. Consumption: 80-100 g/m<sup>2</sup>. Packaging: 10 kg drums.



Spacers 4 LVT

PVC spacers for calibrating grout lines in LVT, SPC and rigid LVT.

For 2 mm, 3 mm and 4 mm grouts.

#### **TECHNICAL DATA:**

Packaging: 200 pcs sachets.

#### 9.3 Reactive adhesives



## **Adesilex G19**

Two-component, epoxy-polyurethane adhesive for resilient and textile flooring on internal and external absorbent and non-absorbent substrates. Specifically developed for the installation of rubber athletic tracks.

#### TECHNICAL DATA:

Consistency: comp. A: thick paste; comp. B: fluid liquid.

Colour: comp. A: beige, red, green and black; comp.

B: transparent.

Mixing ratio: comp. A: comp. B = 94 : 6. Pot life of mix: 50-60 minutes. Setting time: 9 hours.

Set to light foot traffic: 12-24 hours.

Ready for use: 3 days. Storage: 24 months

Application: nr. 1, 2, 3, 4 MAPEI trowels, TKB A1, A2,

B1, B2, C1.

Consumption: 350-1000 g/m<sup>2</sup>. Packaging: 5 and 10 kg drums.



## Adesilex G19 **Conductive**

Two-component, epoxy-polyurethane adhesive, for bonding resilient conductive flooring on both absorbent and non-absorbent substrates.

#### **TECHNICAL DATA:**

Consistency: comp. A: thick paste; comp. B: fluid liquid.

Colour: comp. A: black; comp. B: straw yellow. Mixing ratio: comp. A: comp. B = 90: 10.

Pot life of mix: 30 minutes. Open time: 50 minutes. Setting time: 5 hours.

Set to light foot traffic: 12-24 hours. Ready for use: 3 days.

Electrical resistance: 150,000 ohm.

Storage: 24 months **Application:** N° 1, 2 MAPEI trowels, TKB A2, B1, B2,

Consumption: 300-450 g/m<sup>2</sup>. Packaging: 10 kg drums.



## Adesilex G19 Fast

Fast setting, two-component epoxypolyurethane adhesive for resilient and textile flooring on internal and external absorbent and non-absorbent substrates.

Specifically developed for the installation of rubber athletic tracks.

#### TECHNICAL DATA:

Consistency: comp. A: thick paste; comp. B: fluid liquid.

Colour: comp. A: beige, red, green and black; comp.

B: transparent.

Mixing ratio: comp. A: comp. B = 94:6. Pot life of mix: 25-30 minutes.

Setting time: 4-5 hours.

Set to light foot traffic: 6-12 hours.

Ready for use: 36 hours.

Storage: 24 months.

Application: nr. 1, 2, 3, 4 MAPEI trowels, TKB A1, A2,

B1, B2, C1.

Consumption: 0.35-1.0 kg/m<sup>2</sup>. Packaging: 10 kg kits.



## Adesilex G19 FR Fast



Solvent free, two component, fast setting, epoxy-polyurethane adhesive for resilient and textile floorings in trasportation equipment industry. Complies with the requirements of EN 45545-2:2013 ("Requirements for fire behaviour of materials and components") for the Hazard Levels HL1-HL2, requiremenst set R10. Also meets the requiremenst of smoke-gas toxicity specified in the Chinese Standards TB/T3237:2010 and TB/T3139:2006. It is suitable for marine equipment in compliance with the Marine Equipment Directive (MED) 96/98/EC and subsequent amendments.

#### TECHNICAL DATA:

Consistency: comp. A: thick paste; comp. B: fluid liquid.

Colour: comp. A: beige; comp. B: transparent.

Mixing ratio: comp. A : comp. B = 94 : 6. Pot life of mix: 25-30 minutes. Setting time: 4-5 hours. Set to light foot traffic: 6-12 hours.

Ready for use: 36 hours. Storage: 12 months.

Application: nr. 1, 2, 3 MAPEI trowels, TKB A1, A2,

B1, B2, C1

Consumption: 400-800 g/m<sup>2</sup>. Packaging: 10 kg drums.



#### Adesilex G20

Low viscosity, two-component epoxypolyurethane adhesive for resilient and textile flooring on internal and external absorbent and non-absorbent substrates. Particularly suitable for installing thin flooring, also onto waterproofing underlays such as MAPELAY, in order to avoid the ribs of adhesive may show through.

#### TECHNICAL DATA:

Consistency: comp. A: thick paste; comp. B: fluid liquid.

Color: comp. A: beige; comp. B: transparent. Mixing ratio: comp. A: comp. B = 94 : 6. Pot life of mix: 50-60 minutes.

Setting time: 9 hours

Set to light foot traffic: 12-24 hours.

Ready for use: 3 days.

**Storage:** 24 months. **Application:** nr. 1, 2, 3 MAPEI trowels, TKB A1, A2,

Consumption: 350-600 g/m<sup>2</sup>. Packaging: 5 and 10 kg kits.



## Adesilex G20 Fast

Low viscosity, fast setting, twocomponent epoxy-polyurethane adhesive for resilient and textile flooring on internal and external absorbent and non-absorbent substrates. Particularly suitable for installing thin flooring, also onto waterproofing fiberglass underlays such as MAPELAY, in order to avoid the ribs of adhesive may show through.

#### TECHNICAL DATA:

Consistency: comp. A: thick paste; comp. B: fluid liquid.

Color: comp. A: beige; comp. B: transparent.

Mixing ratio: comp. A: comp. B = 94:6. Pot life of mix: 25-30 minutes. Setting time: 4.5 hours. Set to light foot traffic: 6-12 hours.

Ready for use: 36 hours. Storage: 24 months.

Application: nr. 1, 2, 3 MAPEI trowels, TKB A1, A2,

B1. B2.

Consumption: 350-600 g/m<sup>2</sup>. Packaging: 10 kg kits.



#### **Ultrabond Eco 571 2K**

Two-component, low-viscosity polyurethane adhesive with no water or solvents for bonding internal and external PVC and rubber flooring.



#### TECHNICAL DATA:

Consistency: comp. A: thick paste; comp. B: fluid liquid.

#### Colour:

- comp. A: grey; - comp. B: brown.

Mixing ratio: comp. A: comp. B = 86:14. Pot life of mix: approximately 30 minutes.

Open time: 50-60 minutes.

Setting time: approximately 4 hours. Set to light foot traffic: after 12-24 hours.

Ready for use: after 3 days.

EMICODE: EC1 R Plus - very low emission. Storage: 12 months.

Application: N° 1, 2 or 3 MAPEI trowels, TKB A1, A2,

B1, B2. Consumption: 300-600 g/m<sup>2</sup>. Packaging: 10 kg drums.



## **Ultrabond Eco** MS 4 LVT

One-component, silylate polymer based adhesive for LVT, SPC and rigid LVT. Particularly suitable for laying LVT and resilient flooring in wet area even on non-absorbent substrates.



#### **TECHNICAL DATA:**

Consistency: creamy paste.

Colour: ivory.
Open time: 20-30 minutes. Set to light foot traffic: 5 hours.

Ready for use: 24 hours. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

**Application:** N° 1 MAPEI trowel, TKB A1, A2. **Consumption:** 250-350 g/m<sup>2</sup>.

Packaging: 15 kg drums.





## **Ultrabond Eco** MS 4 LVT Wall

One-component, silylated polymerbased adhesive for the installation of LVT, SPC and rigid LVT on walls. Also suitable for the installation on

Particularly suitable for laying LVT in wet area even on non-absorbent substrates.







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#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: ivory.
Open time: 20-30 minutes.

Ready for use: 24 hours.
EMICODE: EC1 R Plus - very low emission.

 $\begin{tabular}{lll} \textbf{Storage:} 12 months. \\ \textbf{Application:} $N^\circ$ 1 MAPEI trowel, TKB A1, A2. \\ \textbf{Consumption:} 250-350 \ g/m^2. \\ \end{tabular}$ 

Packaging: 7 kg drums.



## **Ultrabond** Eco \$1000 1K

One-component, fibre-reinforced, silylate polymer-based adhesive for rubber, polyolefine and linoleum floor coverings.



## Colour: white.

Open time: 20-30 minutes. Set to light foot traffic: 5 hours. Ready for use: 24-48 hours.

EMICODE: EC1 R Plus - very low emission.

TECHNICAL DATA: Consistency: creamy paste.

**Application:** N° 1, 2, 3 MAPEI trowels, TKB A1, A2, B1.

Consumption: 250-450 g/m<sup>2</sup>. Packaging: 15 kg drums.



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## 9.4 Polychloroprenic and elastomeric contact adhesives



## Adesilex LP

Polychloroprenic contact adhesive in solvent for laying profiles, covings and resilient floors and coverings where immediate setting is required.



## TECHNICAL DATA:

Consistency: thick liquid.

Colour: beige.

Waiting time: 10-20 minutes.

Open time: 5 hours. Set to light foot traffic: immediate.

Ready for use: immediate.

Storage: 24 months.

**Application:** N° 1 MAPEI trowels, TKB A2, A3. **Consumption:** 200-300 g/m<sup>2</sup>.

Packaging: 1, 5 and 10 kg drums.



Adesilex **VZ** 

Polychloroprenic contact adhesive in solvent for laying profiles, covings and resilient floors and coverings where immediate setting is required.

#### TECHNICAL DATA:

Consistency: thick liquid.

Colour: beige.
Waiting time: 10-20 minutes.

Open time: 50 minutes. Set to light foot traffic: immediate.

Ready for use: immediate.

Storage: 24 months.

**Application:** N° 1 notched trowel, TKB A2, A3. **Consumption:** 200-300 g/m<sup>2</sup>.

Packaging: 1, 5 and 10 kg drums.



## **Ultrabond Eco** Contact

Solvent-free contact adhesive for resilient and textile floor and wall coverings. Suitable for bonding covings, fillets, steps and corner pieces.





#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: white.

Waiting time: from 30 minutes to 2 hours depending on the type of application, temperature, environmental moisture and substrate absorption. Installation is possible even 18 hours after the spreading of the adhesive

Set to light foot traffic: immediate.
EMICODE: EC1 Plus - very low emission.

Storage: 12 months in its original sealed packaging. Avoid prolonged exposure to frost. Consumption: 150-200 g/m<sup>2</sup> per coat on every kind

of surface.

Packaging: 10 and 5 kg drums.

#### 9.5 Powder adhesives



## Glicovil

Multi-purpose powder adhesive for all types of wall coverings with a paper backing.

#### **TECHNICAL DATA:**

Consistency: powder.

Colour: white

Dilution ratio: 250 g of powder with 4-7 litres of water

(according to use). Storage: 24 months.

Application: trowel, brush or roller. Consumption: 40-80 g/m<sup>2</sup>. Packaging: 250 g boxes.



## Glicovil Marker

Multi-purpose powder adhesive for heavy vinyl wall coverings with a paper or non-woven fabric backing. When applied on walls, it leaves a coloured trace to highlight the distribution of the adhesive which disappears after approximately 10 minutes.

#### TECHNICAL DATA:

Consistency: powder.

Colour: white.

Dilution ratio: 250 g of powder with 6-8 litres of water

(according to use).

Storage: 24 months.

Application: trowel, brush or roller. Consumption: 80-100 g/m<sup>2</sup>. Packaging: 250 g boxes.



## Glicovil Special

Special powder adhesive for heavy vinyl wall coverings with a paper or nonwoven fabric backing.

#### **TECHNICAL DATA:**

Consistency: powder.

Colour: white.

Dilution ratio: 250 g of powder with 5-10 litres of

water (according to use).

Storage: 24 months.
Application: trowel, brush or roller.
Consumption: 80-100 g/m². Packaging: 250 g boxes.

#### 9.6 Cementitious adhesives



## Granirapid

Two-component, high-performance, deformable, quick-setting and drying cementitious adhesive for ceramic tiles and stone material (thickness of adhesive up to 10 mm).



#### **TECHNICAL DATA:**

Consistency: comp. A: powder; comp. B: thick liquid. Mixing ratio: comp. A: 25 kg + comp. B: 5.5 kg.

Pot life of mix: 45 minutes.

Application temperature range: from +5°C to +30°C. Open time: 20 minutes.

Setting time: 2 hours. Set to light foot traffic: 3-4 hours.

Ready for use: 24 hours. Colours available: grey and white.

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Application: N° 10 notched trowel.

Consumption: 8 kg/m².
Packaging: GRANIRAPID white: 28 kg kit component A: 22.5 kg bag component B: 5.5 kg drum GRANIRAPID grey: 30.5 kg kit component A: 25 kg bag component B: 5.5 kg drum.





## 9.7 Adhesive strips



## Mapecontact

Reinforced adhesive tape for laying profiles, base-boards, covings and resilient and textile coverings on steps.

#### TECHNICAL DATA:

Colour: adhesive: transparent; reinforcement: orange.

Weight per m<sup>2</sup>: 0.38 kg/m<sup>2</sup>.

Application temperature range: from +15°C to

Waiting time: none, bonds immediately. Set to light foot traffic: immediate.

Ready for use: immediate. Storage: 12 months

Height of roll: 35, 65, 85 and 240 mm.

Length of roll: 50 m.

- Packaging:
   35 mm: boxes containing 8x50 m long rolls;
- 65 mm: boxes containing 4x50 m long rolls;
- 85 mm: boxes containing 3x50 m long rolls;
- 240 mm: boxes containing 1x50 m long roll.

## 9.8 Adhesives for synthetic grass



## **Ultrabond Turf 2 Stars**

2-component, rapid-setting polyurethane adhesive with very low emission of volatile organic compounds (VOC) for bonding synthetic grass.



#### TECHNICAL DATA:

Consistency: comp. A: thick paste; comp. B: fluid liquid.

Colour: comp. A: green/red/white; comp. B: brown.

Inflammable: no. Mixing ratio: comp. A: comp. B = 90: 10.

Pot life of mix: 30 minutes.

Application temperature range: from 15°C to +35°C.

Open time: 40-45 minutes.

EMICODE: EC1 R Plus - very low emission. Set to light foot traffic: after 12-24 hours.

Storage: 12 months.

Application: N° 3 or 4 notched trowel.

Consumption: 0.4-0.5 kg per metre of 40 mm wide jointing strip (10 kg of adhesive for 20-25 metres). Packaging: 15 kg drums. Green is available in 5 kg



## **Ultrabond Turf** 2 Stars Pro NEW

Two-component polyurethane adhesive with very low emission of VOC, for installing highly flexible synthetic grass sports surfaces.



#### **TECHNICAL DATA:**

Consistency: creamy paste.

Colour: green.

Mixing ratio: comp. A: comp. B = 90: 10.

Pot life of mix: approx. 40 minutes.

Application temperature range: from +15°C to +35°C

Open time: approx. 45 minutes. EMICODE: EC1 R Plus - very low emission. Set to light foot traffic: 12 hours.

Storage: 12 months.

**Application:** n° 3 or 4 notched trowel. **Consumption:** 0.4-0.5 kg per metre of 40 cm wide

jointing strip (10 kg of adhesive for 20-25 metres).

Packaging: 15 and 5 kg drums.



## **Ultrabond Turf** 2 Stars W

2-component, rapid-setting polyurethane adhesive with very low emission level of volatile organic compounds (VOC) for bonding synthetic grass even with low temperature.



#### TECHNICAL DATA:

Consistency: comp. A: thick paste; comp. B: fluid liquid.

Colour: comp. A: green/red/white; comp. B: brown.

Inflammable: no.

Mixing ratio: comp. A: comp. B = 90: 10.

Pot life of mix: 30 minutes. Application temperature range: from +0°C to +25°C.

Open time: 30-35 minutes.

Set to light foot traffic: after 12-24 hours. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Application: N° 3 or 4 notched trowel.

Consumption: 0.4-0.5 kg per metre of 40 mm wide jointing strip (10 kg of adhesive for 20-25 metres). Packaging: 15 kg drums. Green is available in 5 kg

drums.



## **Ultrabond Turf LS**

One-component, ready-to-use silvlated polymer-based adhesive for bonding decorative synthetic grass.



Consistency: thixotropic paste.

Colour: green.

Application temperature: from +0°C to +35°C.

Open time: 25 minutes. Set to foot traffic: 12 hours. Storage: 12 months.

Application: sealant extrusion gun.

Consumption: depending on application technique. Packaging: 300 ml cartridges.



## **Ultrabond Turf PU 1K**

One-component, ready-to-use, polyurethane adhesive for bonding jointing strips between sheets of synthetic grass.

#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: green. Inflammable: no.

**Application temperature:** from +0°C to +35°C.

Open time: 80-100 minutes. Set to light foot traffic: 12 hours.

Storage: 12 months. Application: N° 3 or 4 notched trowel.

Consumption: 0.30-0.35 kg per linear metre of 40 cm wide jointing strip (10 kg of adhesive for 22-25 linear

metres of jointing strip).

Packaging: 7 and 15 kg drums and 600 ml aluminium

soft-cartridges.



## **Ultrabond** Turf PU 1K LC

One-component, ready-to-use polyurethane adhesive for bonding jointing strips between rolls of synthetic grass.

#### **TECHNICAL DATA:**

Consistency: creamy paste.

Colour: green.

Application temperature: from +0°C to +35°C.

Open time: 60 minutes.

Set to light foot traffic: 12 hours.

Storage: 12 months.

**Application:** N° 3 or 4 notched trowel.

**Consumption:** 0.30-0.35 kg per metre of 40 cm wide jointing strip (10 kg of adhesive for 22-25 metres).

Packaging: 15 and 7 kg drums.



#### **Ultrabond Turf PU 2K**

Two-component polyurethane adhesive for bonding jointing strips between sheets of synthetic grass with very low emission level of volatile organic compounds (VOC).



#### TECHNICAL DATA:

Consistency: comp. A: thick paste; comp. B: fluid liquid.

Colour: green, red and white.

Mixing ratio: comp. A: comp. B = 90: 10.

Pot life of mix: 60 minutes.

**Application temperature:** from +0°C to +35°C.

Open time: 70-80 minutes.

**EMICODE:** EC1 R Plus - very low emission.

Set to light foot traffic: 12-24 hours.

**Storage:** 12 months. **Application:** N° 3 or 4 notched trowel.

Consumption: 0.4-0.5 kg per metre of 40 cm wide jointing strip (10 kg of adhesive for 20-25 metres of

jointing strip).

Packaging: 15 kg drums.



#### **Ultrabond Turf** Repair NEW

One component polyurethane adhesive with modified viscosity for repairing artificial turf surfaces.

#### **TECHNICAL DATA:**

Consistency: creamy paste.

Colour: green. Inflammable: no.

Application temperature range: from +0°C to +35°C.

Set to light foot traffic: 12 hours.

Storage: 12 months.

Application: n° 3 or 4 notched trowel.

Consumption: depending on the stip used for the

repairing work.

Packaging: 300 ml cartridges.



#### **Ultrabond Turf Tape 100**

Jointing strip for fixing synthetic grass sheets in place and marking out lines for various sporting disciplines, even the strictest ones (i.e. Rugby).

#### **TECHNICAL DATA:**

Thickness: 0.100 mm. Height of roll: 400 mm. Length of roll: 300 metres.



#### **Ultrabond Turf Tape 300**

Jointing strip for fixing synthetic grass sheets in place and marking out lines for various sporting disciplines.

#### **TECHNICAL DATA:**

Thickness: 0.5 mm. Height of roll: 300 mm. Length of roll: 300 metres.

## 9. ADHESIVES FOR RESILIENT AND TEXTILE COVERINGS



### Ultrabond Turf Tape Pro

Jointing strip for fixing synthetic grass sheets in place and making out lines for various sporting disciplines. When used in combination with adhesives from the ULTRABOND TURF range, it complies with the new FIFA requirements.

TECHNICAL DATA: Thickness: 0.36 mm. Height of roll: 300 mm. Length of roll: 300 metres.



COMPLEMENTARY PRODUCTS FOR LAYING CERAMIC TILES, STONE MATERIAL, PARQUET, RESILIENT AND TEXTILE COVERINGS

#### 10.1 Complementary products for laying ceramic tiles and stone material



#### Fuga Fresca

Acrylic resin paint in water dispersion to bring back the colour of tile joints in ceramic tiles.

#### TECHNICAL DATA:

Colour: available in 34 different colours.

Application: by brush or bottle.

Consumption: according to the size of the joint. Packaging: 1 kg tins and 160 g bottles.



#### Keranet

Acid-based cleaning solution for ceramic tiles. Particularly recommended for eliminating lime efflorescence and for the final cleaning step of Tuscany terracotta. In powder (concentrated) or liquid (15% in solution).

#### TECHNICAL DATA:

pH of liquid: 1.13.

Waiting time before rinsing: 5 minutes, according to the consistency of the dirt; keep applying until stains have been completely removed. Rinse well after cleaning.

Storage: 24 months.

Consumption: according to requirements.

#### Packaging:

- concentrated powder: 18x1 kg packages;
- liquid ready for use: 5, 10 and 25 kg canisters and 12x1 kg packages; - 0.75 kg spray bottles.



#### Kerapoxy Cleaner

Special cleaning solution for epoxy grout, suitable for cleaning operations after completing laying work and for removing traces and stains of epoxy grout (such as KERAPOXY, KERAPOXY P, KERAPOXY DESIGN and KERAPOXY CQ) from the surface of ceramic and glass coverings. Also suitable for removing residual or shadows of KERAPOXY 4 LVT and FLEXCOLOR 4 LVT from the surface of LVT floors and coverings.

#### TECHNICAL DATA:

pH of liquid: 12

Waiting time before rinsing: several minutes. In the case of larger residues, leave the solution to react for longer or repeat the cleaning operation.

Storage: 24 months. Application: by spray.

Consumption: according to requirements.

#### Packaging:

- 0.75 kg spray bottles;
- 5 kg canisters.



#### Mapetex System

Removable anti-fracture system for laying ceramic and stone flooring.

#### **TECHNICAL DATA:**

- MAPETEX:

width: 100 cm and 200 cm.

- MAPETEX STRIP:

width: 50 mm and 410 mm.

Application: see Technical Data Sheet.

Packaging:

MAPETEX:

2 m x 50 m rolls;

1 m x 50 m rolls.

MAPETEX STRIP:

50 mm x 25 m rolls; 410 mm by 10 m rolls;

410 mm x 5 m rolls.



#### Mapetherm Tile Fix 15

Expansion plugs with 7 mm diameter zinc-plated steel screws for fastening up to 160 mm thick panels, supplied with a 10 mm diameter nylon plug and heatstop washer.

**TECHNICAL DATA:** Length of plug: 230 mm. Diameter of screw: 7 mm. Diameter of plug: 10 mm. Diameter of hole: 10 mm.

Minimum depth of hole in reinforced cement and

masonry: from 45 mm to 100 mm.

Maximum thickness to be fastened: 160 mm.

Packaging: boxes of 100 plugs.



#### Mapetiles Removable System

Removable soundproofing and isolating system for installing ceramic flooring.

#### 10.2 Complementary products for laying resilient and textile coverings



#### Mapecoat Wet & Dry R11

Two component aliphatic, anti-slip polyurethane finish in water dispersion for resilient floor-coverings.



#### TECHNICAL DATA:

Mixing ratio: 5/1

Dust dry: 30 minutes.

Touch dry: 50 minutes.

Re-varnishing (if required): min. 2 hours - max. 48 hours (after more than 48 hours, the surface will need to be adequately prepared with a red or green ULTRACOAT PAD).

Set to light foot traffic: 16 hours.
Ready for use (also in contact with shower water):

The hours.

EMICODE: EC1 R - very low emission.

Gloss level (approximate value): 10-30 gloss.

Slip resistance according to DIN 51130: R11.

Slip resistance according to EN 13036-4 (pendulum contents).

method):

- dry: 90; - wet: 55.

#### Slip resistance (Method B.C.R.):

leather, dry surface (μ): 0.56;
rubber, dry surface (μ): 0.74;
rubber, wet surface (μ): 0.81.



#### Mapelay

PVC waterproofing and isolating sheet reinforced with glass fibres, for laying internal resilient and fabric floors on substrates which have cracks, which are particularly dirty or damp or which are subject to capillary-action rising damp.

#### **TECHNICAL DATA:**

Length: 25 m. Width: 2 m.

Thickness: 1.2 mm. Weight: 1.1 kg/m<sup>2</sup>.

Packaging: 25 m rolls. Weight of roll approx. 57 kg.



Mapelectric CP1

Solvent-free conductive admixture added to primers, smoothing compounds, adhesives and grouting mortars for laying ceramic floors.



Consistency: fluid paste.

Colour: black.

Density: 1.05 kg/dm<sup>3</sup>. pH: no.

inflammable: no.

Consumption: see Technical Data Sheet.

Packaging: 2.5 kg drums.



#### **Primer G Conductive**

Dark-coloured, solvent-free conductive synthetic resin primer in water dispersion.



Consistency: liquid.

Colour: black.

Application temperature range: from +5°C to +40°C.

Drying time: minimum 2 hours. Electrical resistance: 50,000 ohm. Storage: 24 months. Protect from frost.

Application: brush.

Consumption: 0.1-0.15 kg/m<sup>2</sup>. Packaging: 10 kg drums.



#### Pulicol 2000

Solvent gel for removing adhesive and

#### **TECHNICAL DATA:**

Consistency: gel.

Colour: transparent.

Inflammable: yes.

Application temperature range: from +10°C

to +35°C.

Removal time:

- adhesives in water dispersion or in solution:

5 minutes;

- reactive adhesives: 60 minutes.

Storage: 24 months. Application: trowel. Consumption: 0.3 kg/m<sup>2</sup>. Packaging: 2.5 kg drums.

#### 10.3 Accessories, abrasive disks and products for the maintenance of parquet



Cleaner H

Damp wipes for cleaning hands.

#### TECHNICAL DATA:

Packaging: plastic bottles with 80 damp wipes (20x30 cm).



**Cleaner L**Cleaning solution for pre-finished parquet.

TECHNICAL DATA: Consistency: liquid. Colour: transparent. Inflammable: yes.

**Application temperature range:** from +5°C to +35°C.

Drying time: 24 hours. Storage: 12 months. Application: cotton rag. Consumption: 5-20 g/m².

Packaging: 1 litre bottles (0.85 kg) in boxes of

12 bottles.



#### Mapei Spray Mop

Compact and light with an innovative design, specifically developed for cleaning domestic areas quickly and efficiently.

May be used for daily cleaning operations on wooden floors using specific detergent, as well as for extra maintenance work to remove old wax and apply new wax.

TECHNICAL DATA: Packaging: 6 pieces.



#### **Ultrabond P-R9**

One-component, moisture curing, expansive polyurethane adhesive used by injection, for fastening and repairing parquet elements which are not perfectly bonded to the substrate.

#### TECHNICAL DATA:

Consistency: liquid. Colour: brown. Inflammable: no.

Application temperature range: from +10°C

to +35°C.

Sanding: 24 hours.

Set to light foot traffic: 24 hours.

Storage: 6 months.

**Application:** by extrusion from the nozzle on the

canister.

**Consumption:** 1-2 ml for each hole to be injected.

Packaging: 0.5 kg canisters.



#### **Ultracoat Cleaner**

Hygienising detergent for wooden floors. Used neat it removes the most stubborn dirt. When diluted with water, it is the ideal detergent for daily cleaning operations in rooms where maximum hygiene is required. Gets rid of dirt from parquet without removing the finishing treatments. Leaves floors clean and hygienised with a pleasant fragrance.



Ultracoat Oil Pad
Special fabric pad for applying
ULTRACOAT OIL, ULTRACOAT OIL
PLUS and ULTRACOAT OIL COLOR.
Specific for removing the products.



**Ultracoat Pad**Pads used for polishing and cleaning parquet floors.





Ultracoat Pad Special Stripper Pads used for polishing and sanding of Ultracoat base coats and paints.

TECHNICAL DATA:
Packaging: boxes of 10 pads.



Ultracoat Polish Anti-Slip

Natural anti-slip protection for wooden floors.

Ready-to-use natural wax made from Carnauba extract and water developed specifically for the maintenance of wooden floors using natural products. Also makes surfaces non-slip.



#### **Ultracoat Polish Matt**

Protective wear and stain-resistant polish for wooden floors.
Ready-to-use product for all types of varnished wooden floor. Provides effective protection against the penetration of stains and reduces absorption of oil, grease, coffee, wine and paint. Also protects against wear from footsteps and abrasion and prevents surface scratches.
Brightens up varnished floors to restore them to their original condition and makes the surface of floors less slippery.



## Ultracoat Remover Plus

Detergent to remove old wax and stubborn dirt; brings out the natural veining of wood. Reacts with old wax by breaking it down to make removal easier.



#### Ultracoat Roller Base Sport

Roller for premium base application of the first coat of ULTRACOAT HT SPORT on playing surfaces.



## Ultracoat Roller Finish Sport

Roller for applying ULTRACOAT HT SPORT and ULTRACOAT SPORT COLOR.



#### **Ultracoat Roller MT8**

Handle for ULTRACOAT ROLLER T3, ULTRACOAT ROLLER T5 and ULTRACOAT ROLLER T10 rollers.



#### Ultracoat Roller MT Sport

Handle for ULTRACOAT ROLLER BASE SPORT and ULTRACOAT ROLLER FINISH SPORT



#### **Ultracoat Roller Quick**

Air-tight container for storing ULTRACOAT ROLLER after being used and then cleaned. Packaging: boxes of 20 pieces.



#### **Ultracoat Roller T3**

Roller for applying ULTRACOAT OIL, ULTRACOAT OIL PLUS, ULTRACOAT OIL WAX and ULTRACOAT OIL COLOR.



#### **Ultracoat Roller T5**

5 mm fabric roller for applying the second coat of all ULTRACOAT finishing cycles on low porosity wood; after checking its suitability it may also be used for applying the first coat directly on wood.



#### **Ultracoat Roller T10**

Roller for applying all base coats and undercoats from the ULTRACOAT line or the first coat of all finishes from the ULTRACOAT line; particularly recommended for absorbent wood and for treating old floors.



#### **Ultracoat SR**

Abrasive mesh disks in silica carbide for sanding parquet floors.



#### **Ultracoat Steel Spatula**

Special spatula recommended for spreading ULTRACOAT AQUA PLUS and ULTRACOAT OIL. Made entirely from stainless steel, when used to apply ULTRACOAT AQUA PLUS it avoids staining the pavement due to discolouring of the high quantity of tannin in certain types of wood. Adjustable flexibility to make grouting operations easier and to guarantee correct filling of even larger joints. Its special shape with rounded corners helps to avoid the formation of streaks of material on the surface of the floor, which makes it particularly recommended for spreading on ULTRACOAT OIL and ULTRACOAT PREMIUM BASE.



#### 11.1 Resin based products



#### Mapecoat DW 25

Two-component epoxy paint for antiacid and non-toxic coatings on concrete surfaces, suitable for contact with drinking water.



I-MC-PR-RC-IR

#### **TECHNICAL DATA:**

Consistency: component A thick paste, component B fluid paste.

Colour: component A white, component B transparent

Density (EN ISO 2811-1) (g/cm³): component A 1.43,

component B 1.003. Dilution rate: supplied ready to use.

Waiting time between each coat: 6-24 hours.

Complete hardening time: 7 days.

Application temperature range: from +5°C to +30°C.

Cleaning: ethanol. Storage: 24 months.

Application: roller, brush or spray. Consumption: 0.4-0.6 kg/m<sup>2</sup> per coat.

Packaging: 5 kg kits (A + B).



#### Mapecoat I 24

Two-component epoxy paint for anti-acid coatings on concrete surfaces.



PI-MC-PR-RC-IR

#### TECHNICAL DATA:

Mixing ratio: comp. A: comp. B = 4:1.

Colour of mix: white, grey (Ral 7001) and neutral and in RAL colours.

Application temperature range: from +5°C to +30°C.

Workability time: 30-40 minutes. Setting time of film: 4-5 hours.

Waiting time between first and second coat: 6-24 hours

Final hardening time: 3 days.

Storage: 24 months in its original sealed packaging. Application: brush, roller or airless spray.

Consumption: 400-600 g/m<sup>2</sup> per coat.

Packaging:

5 kg kits (A+B);15 kg kits (A+B).



#### Mapecoat I 62 W

Two-component epoxy coating in water dispersion with a gloss finish to form smooth films of resin coating. Specifically developed for coating the surface of walls and ceilings in clean rooms.







#### TECHNICAL DATA:

Consistency of mix: thick liquid.

Colour: RAL colours. Please contact head office for the complete range.

Application: two coats of the product with a short-pile

roller or by airless spray.

Consumption: coating film, approx. 0.20-0.25 kg/m²

Concentration of airborne particles (ISO 14644-1): ISO Class 5.

VOC emissions (ISO 14644-8): ISO-ACC<sub>m</sub> Class -7.1. Storage: 24 months in its original packaging in a dry place at a temperature of at least +10°C.

Packaging: 11 kg kits (A+B); (comp. A = 2.5 kg; comp. B = 8.5 kg



#### Mapecoat I 600 W

Two-component transparent epoxy primer in water dispersion.



#### **TECHNICAL DATA:**

Consistency of mix: fluid.

Colour of mix: opaline.

Mixing ratio: comp. A : comp. B = 2.3 : 3.6. Workability time: 2-3 hours.

**Dust dry at +23°C and 50% R.H.:** 3-4 hours (first coat); 6-8 hours (second coat).

Final hardening time: 7 days.

Application temperature range: from +8°C to +35°C. Storage: 24 months in its original sealed packaging.

Application: roller, spray or airless spray. **Consumption:** 300-500 g/m², depending on the absorbency rate of diluted product.

Packaging: 5.9 and 11.8 kg kits (A + B).





#### Mapecoat I 600 W Lucido

Two-component, shiny, transparent epoxy primer in water dispersion.

**TECHNICAL DATA:** Consistency of mix: fluid. Colour of mix: opaline.

Mixing ratio: comp. A: comp. B = 2.3:3.6.

Workability time: 2-3 h.

Dust dry at +23°C - 50% R.H.:

- 3-4 h (first coat);

- 6-8 h (second coat).

Final hardening time: 7 days.

Application temperature range: from +8°C to +35°C. Storage: 24 months in its original sealed packaging. Application: roller, spray or airless spray. Consumption: 300-500 g/m<sup>2</sup>, depending on the

absorbency rate of diluted product. Packaging: 5.9 kg kits (A + B).



#### Mapecoat I 620 W

Two-component, shiny epoxy finish in water dispersion for anti-dust and anti-grease treatments on concrete floors, cementitious substrates and as a finishing coat on epoxy systems.



MC-PR-IR

#### TECHNICAL DATA:

Mixing ratio: comp. A: comp. B = 50:100.

Colour of mix: opaline. Consistency of mix: fluid.

Application temperature range: from +12°C

to +30°C.

Workability time: 40 minutes. Dusty dry: 3 hours.

Setting time: 8-9 hours. Set to light foot traffic: 24 hours. Final hardening time: 7 days.

Storage: 12 months in its original sealed packaging. Application: short-haired or medium-haired roller or

airless spray system.

Consumption: 0.100-0.250 kg/m<sup>2</sup> per coat according

to the absorption of the substrate. Packaging: 15 kg kits (A + B).



#### Mapecoat I 650 WT

Two-component, water-dispersed, matt epoxy finish for treating the surface of cementititous substrates.



PI-MC-PR-IR

#### **TECHNICAL DATA:**

Mixing ratio: comp A : comp B = 20 : 80.

Consistency of mix: fluid. Workability time: 40 min.

**Dust dry:** 3-4 h.

Touch dry: 4-5 h.

Waiting time between first and second coat: 6-24 h according to temperature and level of humidity.

Complete hardening time: 7 days.

Storage: 12 months in its original packaging in a dry area away from sources of heat at a temperature of

between +5°C and +30°C.

Consumption: approximately 0.25 kg/m<sup>2</sup> per coat. Consumption depends on the characteristics of the substrate on which the product is applied and the application method used, and may increase if the surface on which it is applied is uneven.

Packaging: 15 kg kits (A + B).



#### Mapecoat Universal NEW

Two-component, transparent epoxy binder for internal decorative coatings from the MAPEFLOOR COMPACT SYSTEM range.



TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 2 : 1.

Colour of mix: transparent straw yellow.

Consistency of mix: thick fluid.

Density of mix (kg/m³): ca. 1.079.

Pot life of mix at +23°C and 50% R.H.: approx. 30 minutes.

Application temperature: min. +10°C - max. +30°C.

Hardening time at +23°C and 50% R.H.: set to foot traffic: 12 h; complete hardening time: 7 days.

Shore D hardness after (7 days at +23°C) (ISO 868:2003): approx. 75.

Flexural strength after (7 days at +23°C) (EN 196-1) (N/mm²): ≥ 30.

Compressive strength after (7 days at +23°C) (EN 196-1) (N/mm²): ≥ 55.

Storage: 24 months in its original sealed packaging, in a dry place, stored at a temperature between +5°C and +30°C.

Application: for priming: roller or smooth steel trowel; for MAPEFLOOR COMPACT SYSTEM MF: smooth trowel or smooth rake; for MAPEFLOOR COMPACT SYSTEM HD: screed-box or straight edge with shims.

Consumption: for priming: 0.200-0.400 kg/m²; for MAPEFLOOR COMPACT SYSTEM + 3 mm thickness: 1.4-1.6 kg/m²; for MAPEFLOOR COMPACT SYSTEM + 7 mm thickness: 2.0-2.5 kg/m².

Packaging: 15 kg kit (A+B).





## Mapecolor CPU

Powder pigment for colouring MAPEFLOOR CPU/MF, MAPEFLOOR CPU/HD, MAPEFLOOR CPU/RT and MAPEFLOOR CPU/NZ.

#### TECHNICAL DATA:

Colour: grey, beige, ochre yellow, red and green.

Bulk density:  $1.4 \pm 0.05$  g/cm<sup>3</sup>.

**Storage:** 12 months in its original sealed packaging. **Application:** mix with polyurethane/cement-based

formulates.

Consumption: mix one 5 kg pack per kit of MAPEFLOOR CPU/MF, MAPEFLOOR CPU/HD, MAPEFLOOR CPU/RT or MAPEFLOOR CPU/NZ.

Packaging: Kits of 4x5 kg bags.



#### **Mapecolor Paste**

System for colouring
MAPEFLOOR I 300 SL,
MAPEFLOOR I 500 W,
MAPEFLOOR PU 410, PRIMER SN,
MAPEFLOOR DECOR 700,
MAPEFLOOR I 360 AS and
MAPEFLOOR I 390 EDF.

**N.B.:** other RAL colours available upon request (minimum quantity 25 kg).

#### TECHNICAL DATA:

Appearance: paste.

Colour: 19 different RAL colours.

Dry substances content (%): 99 ± 1.

Application temperature range: from +10°C

to 130°C

Storage: 24 months in its original sealed packaging.

Application: mixed with epoxy products during

preparation.

Consumption: 0.7 kg per kit (A+B) of PRIMER SN, MAPEFLOOR I 300 SL and MAPEFLOOR I 500 W.

Packaging: 0.7 kg buckets.



## Mapecrete Creme Protection

Solvent-free, silane-based, thixotropic water repellent in water dispersion, ideal for hydrophobic treatments on concrete.



PI-MC-IR

#### TECHNICAL DATA:

Colour: yellowish white. Appearance: creamy. Density (g/cm³): 0.9.

Dry substances content (%): 80. Flash point (ISO 3679): +64°C.

Storage: 12 months in its original sealed packaging.

Application: squeegee, (airless) spray system, brush

or roller.

Consumption: 0.1-0.4 kg/m² according to the level

of absorption of the concrete. **Packaging:** 25 kg drums.



#### Mapecrete LI Hardener

Surface treatment in liquid form made from lithium silicate with a consolidating effect, for new or old concrete floors and concrete surfaces broadcast with quartz sand.

#### TECHNICAL DATA:

Application temperature range: from  $+5^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ . Minimum waiting time for the product to penetrate: 30 min.

Loss of material with Taber abrasion test ISO 5940 (mg): 35.

Capillary absorption EN 13057 (kg/m²-ho.5): 1.3. Storage: 12 months in its original sealed packaging. Application: by spray with a low pressure pump. Consumption: 0.2-0.4 kg/m² according to the level

of porosity of the concrete. **Packaging:** 25 kg tanks.



#### Mapecrete Stain **Protection**

Hydro-oil repellent and anti-stain treatment for concrete, natural stone and cementitious surfaces made from modified organic polymers in water

#### TECHNICAL DATA:

Application temperature range: from +10°C to +30°C

Absorption by immersion in oil (%): 0.35.
Capillary absorption EN 13057 (kg/m²·h<sup>0.5</sup>): 0.25. Storage: 12 months in its original sealed packaging. Application: by spray, airless spray or brush.

Consumption: 0.1-0.3 kg/m² according to the level of porosity of the concrete. Packaging: 25 kg tanks.



#### Mapefloor Binder 930

One-component, aliphatic polyurethane binder for decorative open-pore floors made with natural open-pore aggregates.

#### **TECHNICAL DATA:**

Colour of mix: transparent. Consistency of mix: fluid. Workability time: 70 minutes.

Complete set to light foot traffic time: 48 hours. Application temperature range: from +8°C to +30°C.

Binder/inert consumption: 1:20.

Compressive strength after 7 days at +23°C

(EN 196-1): 12.47 N/mm<sup>2</sup>

Flexural strength after 7 days at +23°C

(EN 196-1): 5.19 N/mm<sup>2</sup>.

Storage: 6 months in its original sealed packaging. Application: rake, straight-edge, smooth trowel and mechanical vibro-compactor.

Consumption: 1 kg/m<sup>2</sup> per cm of thickness.

Packaging: 5 kg drums.



#### Mapefloor CPU/COVE /5

Three-component polyurethane/ cement-based mortar for making covings and details.

#### TECHNICAL DATA:

**Mixing ratio:** A/B/C = 1.6/1.4/18 plus 0.25 parts by weight of MAPECOLOR PASTE.

Colour of mix: depending on the colour of

MAPECOLOR PASTE used. Pot life of mix at +20°C: 20 minutes.

Full hardening time: 5 days.

Compressive strength after 28 days (EN 196-1):

≥ 40 N/mm<sup>2</sup>.

Shore D hardness after 28 days: 75-80. Storage: 12 months in its original sealed packaging.

Application: suitable steel or plastic tools.

Consumption: according to the size and shape of the edge or corner to be blended: approx. 2 kg/l.

Packaging: 21 kg kits (A+B+C).



#### Mapefloor CPU/HD

Three-component, high-strength polyurethane-cement mortar with high resistance to chemicals for industrial floors, applied in thicknesses 6 to 9 mm.

Complies with standards applied in the foodstuffs sector.







#### TECHNICAL DATA:

Mixing ratio: A/B/C = 2.6/2.7/20.5 plus 5 kg of MAPECOLOR CPU.

Colour of mix: grey, beige, ochre, red and green.

Consistency of mix: thick.

Pot life of mix at +20°C: 15 minutes.

Dust dry at +23°C and 50% R.H.: 2-4 hours.

Set to light foot traffic at +23°C and 50% R.H.:

8 hours

Final hardening time: 4 days.

Slip resistance (pendulum test method EN 13036-4):

dry: 85 (class II);

- wet: 60 (class I).

Storage: 12 months in its original sealed packaging.

Application: American smooth trowel. Consumption: 2 kg/m² per mm of thickness.

Packaging: 25.8 kg kits (A+B+C).



#### Mapefloor CPU/MF

Three-component, self-levelling polyurethane-cement mortar with high resistance to chemicals for industrial floors, applied in thicknesses 3 to 6 mm.

Complies with standards applied in the foodstuffs sector.







#### TECHNICAL DATA:

Mixing ratio: A/B/C = 5.2/5.4/20 plus 5 kg of MAPECOLOR CPU.

**Colour of mix:** grey, beige, ochre, red and green. **Consistency of mix:** self-levelling fluid.

Pot life of mix at +20°C: 15 minutes. Dust dry at +23°C and 50% R.H.: 2-4 hours. Set to light foot traffic at +23°C and 50% R.H.:

24 hours.

Final hardening time: 4 days. Compressive strength: 50 N/mm<sup>2</sup>. Flexural strength: 15 N/mm<sup>2</sup>.

Storage: 12 months in its original sealed packaging. Application: smooth trowel or rake with spacers. **Consumption:** 1.7 kg/m² per mm of thickness.

Packaging: 30.6 kg kits (A+B+C).



#### Mapefloor CPU/NZ

Three-component easy-to-apply high-strength polyurethane/cementbased mortar with high resistance to chemicals for coating industrial floors in layers from 4 to 6 mm thick.



#### TECHNICAL DATA:

Mixing ratio: A/B/C: 2.6/2.7/16 plus 5 kg of MAPECOLOR CPU.

Colour of mix: grey, beige, red, green, ochre yellow. Consistency of mix: viscous-fluid.

Pot life of mix at +20°C: 15 mins.

Dust dry at +23°C and 50% R.H.: 2-4 hours.

Set to foot traffic at +23°C and 50% R.H.: 8 hours. Complete hardening time: 4 days

Flexural strength after 28 days (UNI EN 13892-2): 14.10 N/mm<sup>2</sup>

Compressive strength after 28 days

(UNI EN 13892-2): 62.80 N/mm<sup>2</sup>.

Storage: 12 months in its original sealed packaging. Consumption: 1.9 kg/m<sup>2</sup> per mm of thickness. Packaging: 21.3 kg kit (A+B+C).



#### Mapefloor CPU/RT

Three-component, high-strength, easyto-apply, polyurethane-cement mortar with high resistance to chemicals for coating industrial floors in layers from 6 to 9 mm thick.

Complies with standards applied in the foodstuffs sector.







#### TECHNICAL DATA:

Mixing ratio: A/B/C: 2.6/2.7/18 plus 5 kg of MAPECOLOR CPU.

Colour of mix: grey, beige, red, green, ochre yellow.

Consistency of mix: thick

Pot life of mix at +20°C: 15 min Dust dry at +23°C and 50% R.H.: 2 h - 4 h.

Set to light foot traffic at +23°C and 50% R.H.: 8 h.

Complete hardening time: 4 days. Flexural strength after 28 days (EN 13892-2):

Compressive strength after 28 days (EN 13892-2):

61.70 N/mm<sup>2</sup>.

Storage: 12 months in a dry area in its original, closed

packaging. **Consumption:** 1.9 kg/m<sup>2</sup> per mm of thickness.

Packaging: 23.3 kg kits (A+B+C).



#### Mapefloor CPU/TC

Three-component polyurethane/cementbased formulate for coating walls and as a finishing coat on polyurethane/ cementitious systems for industrial floors.







#### **TECHNICAL DATA:**

**Mixing ratio:** A/B/C = 1.6/1.4/1.7 plus 0.47% by weight of MAPECOLOR PASTE.

Colour of mix: grey, beige, ochre yellow, red and

Consistency of mix: fluid.

Pot life of mix at +20°C: 15 mins.

Dust dry at +23°C and 50% R.H.: 2-4 hours.

Set to foot traffic at +23°C and 50% R.H.: 24 hours.

Full hardening time: 5 days.

Storage: 12 months in its original sealed packaging. Application: steel or rubber trowel or short or medium-haired roller.

#### Consumption:

- thickness of coat 0.2-0.25 mm: 0.3-0.35 kg/m<sup>2</sup>;
- finishing coat on MAPEFLOOR CPU/MF with a dry-shake finish of quartz sand: 0.3-0.6 kg/m<sup>2</sup>.

Packaging: 4.7 kg kits (A+B+C).



#### Mapefloor Decor 700

Two-component, solvent-free epoxy paste in water dispersion to create floors with a trowel-effect or mottled finish. May be coloured with MAPECOLOR PASTE.



Mixing ratio: comp. A : comp. B = 1 : 4.

Colour of mix: cream.

Consistency of mix: paste.

Dust dry at +23°C and 50% R.H.: 2 hours. Set to light foot traffic at +23°C and 50% R.H.:

12 hours

Final hardening time: 7 days.

Compressive strength after 7 days (EN 196-1):

Flexural strength after 7 days (EN 196-1): 25 N/mm<sup>2</sup>. Taber abrasion resistance after 7 days (CS17 disk -

1000 g - 1000 revs): 50 mg.
Storage: 12 months in its original sealed packaging.

Application: smooth trowel.

Consumption: from 1 to 1.5 kg/m<sup>2</sup> per coat according to the characteristics of the substrate and type of

decorative finish required. Packaging: 10 kg kits (A+B).



#### Mapefloor EP19

Three-component acid and wearresistant epoxy mortar for floors.



#### **TECHNICAL DATA:**

Mixing ratio: A/B/C = 7.5/2.5/90.

Consistency of mix: damp sand.

Application temperature range: from +5°C to +30°C. Workability time: from 30 to 40 minutes.

Set to light foot traffic: 6 hours. Ready for use: 12 hours

Resistance to temperatures: from -20°C to +120°C.

Resistance to oils: excellent.

Resistance to acids and alkalis: excellent.

Compressive strength after 7 days (EN 196/1):

50 N/mm<sup>2</sup>.

Flexural strength after 7 days (EN 196/1): 20 N/mm<sup>2</sup>. Taber abrasion resistance after 7 days (H22 disk

**1000 g - 1000 revs):** 1.1 g.

Storage: 24 months in its original sealed packaging. Application: trowel and smooth metal trowel.

**Consumption:** 20 kg/m<sup>2</sup> per cm of thickness.

Packaging: 10 kg kits (A+B+C).



#### Mapefloor Finish 50 N

Two-component, aliphatic, transparent polyurethane finish for absorbent surfaces.



**Mixing ratio:** comp A: comp. B = 4.9 : 5.1.

Colour of mix: transparent. Consistency of mix: fluid.

Consistency of mix: fluid.
Dry substances content (%): 65.
Density of mix (kg/m³): 1,040.
Viscosity of mix (mPa·s): 345.
Buchholz hardness (after 7 days at +23°C)
(DIN 53153): 111.
Dust dry (at 23°C and 50% R.H.): approx. 6 h.
Set to light foot traffic (at +23°C and 50% R.H.): 24 h.
Complete hardening time: 7 days.
Taber Test (after 7 days at +23°C and 50% R.H.)
1,000 cycles/1,000 revs, CS 17 disk) (DIN 53109) (mg): 60.
Storage: 12 months in its original packaging at +5°C to +30°C.
Consumption: 0.08-0.3 kg/m² per coat according to

Consumption: 0.08-0.3 kg/m² per coat according to

absorbency.

Packaging: 10 kg kits (A+B).



#### Mapefloor Finish 52 W

Two-component, polyurethane finishing product in water dispersion with low yellowing properties, for anti-dust and anti-oil treatments.



#### TECHNICAL DATA:

Mixing ratio: comp. A: comp. B = 87:13.

Colour of mix: opaline.

Consistency of mix: fluid.

Workability time: 30 minutes.

Dust dry (at +23°C and 50% R.H.): 20-35 minutes. Set to light foot traffic (at +23°C and 50% R.H.): 12 hours.

Final hardening time: 7 days. Taber Test (after 7 days, CS17 disk, 1000 cycles,

1000 g): 50 mg.

Bucholz hardness (after 7 days): 71.

Storage: 12 months in its original sealed packaging.

Application: short-haired roller such as mohair, by

spray or airless spray system.

Consumption: 50-150 g/m<sup>2</sup> per coat according to the absorption of the substrate.

Packaging: 5.4 kg kits (A+B).



#### Mapefloor Finish 53 W/L

Two-component, aliphatic, transparent, shiny polyurethane finish in water dispersion with no NMP for protecting resin systems.

#### **TECHNICAL DATA:**

Mixing ratio: comp. A : comp. B = 10 : 1. Colour of mix: transparent.

Consistency of mix: fluid.

Workability time: 15-20 minutes at +23°C.

Varnishing: from 3 to 5 hours.

Sanding: after 12 hours.

Set to the touch: 40 minutes.

Dust dry at +23°C and 50% R.H.: 40 minutes

Set to light foot traffic at +23°C and 50% R.H.: 6-7 hours.

Final hardening time: 12 hours at +23°C.

Taber Test (after 7 days, CS17 disk, 1000 cycles, 1000 g): 22 mg.
Storage: 12 months in its original sealed packaging. Application: short-haired roller such as mohair or airless spray system.

Consumption: 0.1-0.2 kg/m<sup>2</sup> according to the grade of finish required for the coating material.

Packaging: 2 kits (A+B) of 5 + 0.5 I units.



#### Mapefloor Finish 54 W/S

Two-component, aliphatic, transparent, matt polyurethane finish in water dispersion with no NMP for protecting resin systems.

#### TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 10 : 1.

Colour of mix: transparent. Consistency of mix: fluid.

Workability time: 15-20 minutes at +23°C.

Varnishing: from 3 to 5 hours. Sanding: after 12 hours. Set to the touch: 40 minutes.

Dust dry at +23°C and 50% R.H.: 40 minutes.

Set to light foot traffic at +23°C and 50% R.H.: 6-7 hours. Final hardening time: 12 hours at +23°C.

Gloss: 50.

Taber Test (after 7 days, CS17 disk, 1000 cycles, 1000 g): 22 mg.
Storage: 12 months in its original sealed packaging. Application: short-haired roller such as mohair or airless

Consumption: 0.1-0.2 kg/m<sup>2</sup> according to the grade of

finish required for the coating material. **Packaging:** 2 kits (A+B) of 5 + 0.5 I units.



## Mapefloor Finish 55

Two-component, aliphatic, highlyflexible polyurethane finish resistant to wear and UV rays.

#### TECHNICAL DATA:

Mixing ratio: comp A : comp B = 5.1:4.

Colour of mix: Ral colours - Please, contact head office. Consistency of mix: fluid paste.

Density of mix (kg/m³): 1,250.
Viscosity of mix (mPa·s): 1,200 ± 200.
Pot life at +23°C: 2 h.
Application temperature range: from +5°C to +30°C.
Final hardening time at +23°C: 2 days.

Maximum deformation after 7 days at +23°C + 14 days at +50°C (%): 120.

Tear strength after 7 days at +23°C + 14 days at +50°C (N/mm): 21.5.

(N/mm): 21.5.

Taber abrasion resistance (CS17 disk - 1,000 g - 1,000 revs) after 7 days at +23°C (mg): 86.

Application: roller or airless spray system.

Storage: 12 months in its original sealed packaging at a temperature between +15°C and +25°C.

Consumption: 0.15-0.35 kg/m<sup>2</sup> Packaging: 9.1 kg kits (A+B).



#### Mapefloor Finish 58 W

Two-component, aliphatic, transparent or coloured, matt polyurethane finish in water dispersion.



#### **TECHNICAL DATA:**

Mixing ratio: comp. A: comp. B = 10:1 transparent -11:1 if coloured.

Colour of mix: transparent or coloured.

Consistency of mix: fluid.

Density of mix (kg/m³): 1,065-1,095. Abrasion resistance Taber abrasion-meter (CS17 disk, 1000 g) 1000 cycles (mg): 30 (after 7 days).

Gloss (Gloss 60°): 10. Storage: 12 months in its original packaging at +12°C to +30°C.

Consumption: 0.1-0.2 kg/m² according to the grade of finish required for the coating.

Packaging: 5.5 kg transparent or 6 kg coloured kits (A+B).



#### Mapefloor Finish 415

Two-component, aromatic, flexible, wear-resistant elastic coloured polyurethane finish.



#### TECHNICAL DATA:

Mixing ratio: comp. A: comp. B = 80: 20.

Colour of mix: coloured. Please contact Head Office.

Consistency of mix: liquid/paste.

Density of mix: 1.35 kg/m³. Viscosity of mix: 2,000-2,500 (mPa·s). Pot life at +23°C: 50 minutes.

Set to light foot traffic at +23°C: 24 hours.

Final hardening time at +23°C: 3 days.

Elongation at failure after 7 days at +23°C (DIN 53504): 70%.

Tear strength after 7 days at +23°C (DIN 53515): 90 N/mm.

Tensile strength after 7 days at +23°C (DIN 53504): 15 N/mm².

Taber abrasion resistance (CS17 disk - 1,000 g - 1,000 revs)

after 7 days at +23°C: 100 mg.

**Storage:** 12 months in a covered, dry place at a temperature between +15°C and +25°C.

Theoretical consumption: 0.5-0.8 kg/m<sup>2</sup>.

Packaging: 12.5 kg kits (A+B).



## Mapefloor Finish 451

Two-component, aliphatic, flexible, wear and UV resistant, elastic, coloured, polyaspartic finish.



I-MC-PR-RC-IR

#### TECHNICAL DATA:

TECHNICAL DATA:
Mixing ratio: comp. A: comp. B = 7:3.
Colour of mix: coloured. Please contact Head Office.
Consistency of mix: fluid paste.
Density of mix ( $kg/m^3$ ): 1,480.
Viscosity of mix (mPa-s): 1,500  $\pm$  200 (rotor 4 - 50 revs).
Pot life at +23°C: 40 mins.
Dust dry at 23°C, 150 microns on glass: 90 mins.
Set to foot traffic at +23°C: 24 h.
Final hardening time at +23°C: 3 days.
Maximum deformation after 7 days at +23°C + 14 days at

Maximum deformation after 7 days at +23°C + 14 days at +50°C: 43%.

Tear strength after 7 days at +23°C + 14 days at +50°C

(N/mm): 97. Tensile strength after 7 days at +23°C + 14 days at +50°C Tensile strength after 7 days at +23°C + 14 days at +50°C (M/mm²): 12.2.

Taber abrasion resistance (CS17 disk - 1,000 g - 1,000 revs) after 7 days at +23°C (mg): 95.

Shore A hardness: 85.

Storage: 12 months in its original packaging at +15°C to +25°C.

Theoretical consumption: 0.6-0.8 kg/m².

Packaging: 20 kg kits (A + B).



#### Mapefloor Finish 630

Two-component, protective acrylic filming agent in water dispersion for concrete, ULTRATOP and ULTRATOP LIVING floors.



**Mixing ratio:** comp. A: comp. B: = 10 : 0.15.

Colour of mix: transparent, milky. Consistency of mix: fluid.

Dry substances content (3 h - 105°C) (%): 23. Density of mix (kg/m³): 1,028. Viscosity of mix (mPa·s): 25 (# 1 - 100 rpm).

Workability time: 60 min.

Surface temperature: from +12°C to +30°C.

Varnishing: after 6-8 h at +23°C.

Dust dry at +23°C and 50% R.H.: 2 h.

Abrologation: short-haired roller auch c. 2 h.

Abrasion resistance (Taber abrasimeter) (CS17 disk - 500 revs - 1,000 g) after 7 days (mg): 65.

Set to light foot traffic at +23°C and 50% R.H.: 24 h.

Final hardening time: 4 days.

Storage: 12 months in its original sealed packaging. Protect from frost.

Application: short-haired roller auch c. 2 days.

Application: short-haired roller such as mohair or a suitable

airless spray system.

Consumption: 0.15-0.2 kg/m² according to the grade of

porosity and absorption of the substrate. **Packaging:** 2 kits (A+B) of 10 + 0.150 kg units.



#### Mapefloor I 300 SL

Two-component, multi-purpose, neutralcoloured epoxy formulate for industrial floor coatings up to 4 mm thick. May be coloured with MAPECOLOR PASTE. Complies with standards applied in the foodstuffs sector.



#### **TECHNICAL DATA:**

Mixing ratio: comp. A: comp. B = 3:1.

Colour of mix: neutral.

Consistency of mix: fluid.

Dust dry at +23°C and 50% R.H.: 2-4 hours.

Set to light foot traffic at +23°C and 50% R.H.: 24 hours.

Final hardening time: 7 days.

Taber Test after 7 days (EN ISO 5470-1) CS17 disk, 1000 cycles, 1000 g at +23°C - 50% R.H.: 70 mg.

Storage: 24 months in its original sealed packaging. Application: by roller or flat or notched trowel

- Consumption: - 2.0 kg/m<sup>2</sup> for 2 mm thick self-levelling coatings on substrates primed with PRIMER SN;
- 0.9 kg/m² for intermediate layers in 3 mm thick non-slip coatings on substrates primed with PRIMER SN;
- 0.6 kg/m<sup>2</sup> for finishing layers in 1 mm and 3 mm thick non-slip coatings on substrates primed with PRIMER SN.

Packaging: 20 kg kits (A+B).



## Mapefloor I 300 SL

Two-component, transparent, nonyellowing epoxy coatings applied at a thickness of 1 mm for finishing coats on epoxy resin systems.

#### **TECHNICAL DATA:**

Mixing ratio: comp. A: comp. B = 100: 50.

Colour of mix: transparent. Consistency of mix: fluid.

Pot life of mix: approx. 30 minutes. Dust dry at +23°C and 50% R.H.: 6 hours.

Set to light foot traffic at +23°C and 50% R.H.: 24 hours.

Final hardening time: 7 days.

Compressive strength (ASTM D 695): 55 N/mm<sup>2</sup>.

Flexural strength (ISO 178): 25 N/mm<sup>2</sup>

Surface hardness (shore D): 80.

Taber Test CS17 disk, 1000 cycles, 1000 g (DIN 52108):

Storage: 12 months in its original sealed packaging.

Application: N° 7 notched trowel.

Consumption: approx. 1-1 kg/m<sup>2</sup> to form a 1 mm thick

Packaging: 18 kg kits (A+B).



#### Mapefloor I 306 CR

Two-component, low emission epoxy formulate for coating self-levelling floors in clean rooms.

Available only upon request.



#### **TECHNICAL DATA:**

Consistency of mix: thick liquid.

Colour: RAL colours. Please contact head office for the complete range.

Application: smooth notched trowel (with "V" shaped

Consumption: smooth self-levelling coating - avarage thickness 2 mm 2.3 kg/m<sup>2</sup>.

Concentration of airborne particles (ISO 14644-1): ISO Class 3.

VOC emissions (ISO 14644-8): ISO-ACCm Class -6.7. **Storage:** 24 months in its original packaging in a dry place at a temperature of +5°C and +35°C.

Packaging: 20 kg kits (A+B); (comp. A = 16 kg; comp. B = 4 kg).





Two-component, low emission epoxy formulate for coating self-levelling floors in clean rooms.

Available only upon request.













#### TECHNICAL DATA:

Consistency of mix: thick liquid.

Colour: RAL colours. Please contact head office for the complete range.

Application: smooth notched trowel (with "V" shaped notches).

Consumption: smooth self-levelling coating - avarage thickness 2 mm 2.3 kg/m<sup>2</sup>.

Concentration of airborne particles (ISO 14644-1): ISO Class 2.

VOC emissions (ISO 14644-8): ISO-ACC<sub>m</sub> Class < -9.6.

Storage: 24 months in its original packaging in a dry place at a temperature of +5°C and +35°C. Packaging: 19.5 kg kits (A+B); (comp. A = 16 kg;

comp. B = 3.5 kg).



#### Mapefloor I 320 SL CONCEPT

Self-levelling epoxy coating with a coloured granular finish for abrasionresistant floors.



#### **TECHNICAL DATA:**

Mixing ratio: comp. A: comp. B = 100: 22.

Colour of mix: light grey, dark grey, light blue, dark blue and red.

Consistency of mix: fluid.

Compressive strength after 7 days at +23°C (DIN EN 196-1): 52 N/mm².

Flexural strength after 7 days at +23°C (DIN EN 196-1): 31 N/mm<sup>2</sup>. Surface hardness (shore D): 75.

Taber Test (after 7 days, CS17 disk, 1000 cycles,

1000 g): 80 mg. Storage: 12 months in its original sealed packaging.

Application: smooth trowel. Consumption: 3 kg/m<sup>2</sup>. Packaging: 16.8 kg kits (A+B).





#### Mapefloor I 350 SL

Two-component, multi-purpose, neutralcoloured, epoxy treatment for industrial floors at a thickness up to 4 mm with fire resistance "class 1" and Euro-class "B<sub>fl</sub>-s1".

MAPEFLOOR I 350 SL meets the requirements of UNI CEI 11170 - railway vehicles - Guidelines for fire protection of railway vehicles and vehicles with guiding rails.



- TECHNICAL DATA:
  Mixing ratio: comp. A: comp. B = 75: 25.
  Colour of mix: neutral.
  Consistency of mix: thick fluid.
  Dust dry at +23°C and 50% R.H.: 2-4 hours.
  Set to light foot traffic at +23°C and 50% R.H.: 24 hours.
  Final hardening time: 7 days.
  Taber Test after 7 days (at +23°C and 50% R.H.)
  (1,000 cycles/1,000 revs, CS 17 disk) (mg): 70 mg.
  Storage: 24 months in its original sealed packaging.
  Application: roller, notched and flat trowel.
  Packaging: 8 kg kits (A+B).
  Consuption:

   used to obtain a 2 mm-thick self-levelling coating on a substrate primed with PRIMER SN: 2.0 kg/m°;
- primed with PRIMER SN: 2.0 kg/m²; used to obtain an intermediate layer in a 3 mm-thick, non-slip, multi-layered coating on a substrate primed with PRIMER SN:
- used to obtain a 1 mm thick or 3 mm-thick final coat in a non-slip, multi-layered coating on a substrate primed with PRIMER SN:

Application: roller or flat, notched trowel. May be coloured using MAPECOLOR PASTE.



#### Mapefloor I 360 AS

Two-component, self-levelling epoxy formulate for high strength, electrically conductive coatings.









TECHNICAL DATA:
Mixing ratio: comp. A: comp. B: = 80: 20 by weight.
Colour of mix: neutral.
Consistency of mix: fluid.
Density of mix (kg/m³): 1,420.
Viscosity of mix (Pa·s): 1.5-2.5 (# 3 - 20 rpm).

Workability time: approx. 40 min. at +10°C; approx 25 min. at +20°C; approx 15 min. at +30°C.

Set to foot traffic: approx. 30 h at +10°C; approx 24 h at +20°C; approx 16 h at +30°C.

Electrical resistance (EN 1081) (Ohm): 10<sup>4</sup>< RE<10<sup>6</sup>.

Electrical resistance (EN 1081) (Ohm):  $10^4 < R_E < 10^6$ . these values may vary according to surrounding conditions (temperature and humidity) and the equipment used to take the readings. Compressive strength after 28 days at +23°C (EN 196-1) (N/mm²): approx. 80 (MAPEFLOOR 1360 AS (without fillers). Flexural strength after 28 days at +23°C (EN 196-1) (N/mm²): approx. 40 (MAPEFLOOR 1360 AS (without fillers). Abrasion resistance - Taber abrasion meter (CS17 disk - 1,000 revs. - 1,000 g) after 7 days at 23°C (DIN 53109) (mg): 70. Shore D hardness after 3 days at +23°C (DIN 53505): 77. Adhesion to concrete (ISO 4624) (N/mm²): ≥ 1.5 (failure of concrete). Storage: 24 months in its original packaging in a dry place at a temperature of between +5°C and +30°C. Consumption: max. 2.5 kg/m². Packaging: 20 kg kits (A + B).



#### Mapefloor I 390 EDF

Two-component, self-levelling epoxy formulate for high strength, dissipative coatings.









TECHNICAL DATA:
Mixing ratio: comp. A: comp. B = 80: 20 by weight.

Colour of mix: neutral.

Consistency of mix (kg/m²): 1,420.

Viscosity of mix (kg/m²): 1,420.

Viscosity of mix (Pa-s): 1.5-2.5 (# 3 - 20 rpm).

Workability time: approx. 40 min. at +10°C; approx 25 min. at +20°C; approx 15 min. at +30°C.

Set to foot traffic: approx. 30 h at +10°C; approx 24 h at +20°C; approx 16 h at +30°C. Electrical resistance (EN 1081) (Ohm): 10<sup>4</sup><R<sub>E</sub><10<sup>6</sup>. these values may vary according to surrounding conditions (temperature and humidity) and the equipment used to take the readings. Compressive strength after 28 days at +23°C (EN 196-1) (N/mm²): approx. 80 (MAPEFLOOR I 390 EDF without fillers). Flexural strength after 28 days at +23°C (EN 196-1) (N/mm²): approx. 40 (MAPEFLOOR I 390 EDF without fillers). Abrasion resistance - Taber abrasion meter (CS17 disk - 1,000 revs. - 1,000 g) after 7 days at +23°C (DIN 53109) (mg): 70. Shore D hardness after 3 days at +23°C (DIN 53505): 77. Adhesion to concrete (ISO 4624) (N/mm²): a 1.5 (failure of concrete). Storage: 24 months in its original packaging in a dry place at a temperature of between +5°C and +30°C. Consumption: max. 2.5 kg/m². Packaging: 20 kg kit (A + B). Set to foot traffic: approx. 30 h at +10°C; approx 24 h at +20°C; approx



#### Mapefloor I 500 W

Two-component, vapour-permeable, neutral-coloured epoxy formulate in water dispersion for industrial floors. May be coloured with MAPECOLOR PASTE.





TECHNICAL DATA:
Mixing ratio: comp. A: comp. B = 1:12.
Colour of mix: neutral.

Colour of mix: neutral.

Consistency of mix: fluid.
Pot life of mix at +20°C: 20 minutes.
Dust dry at +23°C and 50% R.H.: 3-4 hours.
Set to light foot traffic at +23°C and 50% R.H.: 16 hours.
Final hardening time: 7 days.

Taber Test after 7 days (EN ISO 5470-1) CS17 disk,
1000 cycles, 1000 g at +23°C - 50% R.H.: 110 mg.

Storage: 12 months in its original sealed packaging.
Application: notched or smooth trowel or notched rake.

Consumption:

- for 2 mm thick smooth self-levelling coatings on substrates primed with MAPECOAT I 600 W: 4 kg/m²;
- for 5 mm thick, multi-layered non-slip systems: as first layer:

as first layer: MAPEFLOOR I 500 W

2-2.5 kg/m²; 5 kg/m²;

MAPEFLOOR I 500 W QUARTZ 0.5 s second layer: MAPEFLOOR I 500 W QUARTZ 0.5 sa finishing layer: MAPEFLOOR I 500 W 0.7 kg/m²; as finishing layer: MAPEFLOOR I 500 W 0.7 kg/m² Packaging: 26 kg kits (A + B).



#### Mapefloor I 900

Two-component epoxy binder used for preparing trowelled mortar with a damp earth consistency for industrial floors.



#### **TECHNICAL DATA:**

Mixing ratio: comp. A: comp. B = 100: 50.

Colour of mix: transparent amber. Consistency of mix: viscous fluid.

Dust dry at +23°C and 50% R.H.: 2-4 hours.

Set to light foot traffic at +23°C and 50% R.H.: 12 hours.

Final hardening time: 7 days.

Storage: 12 months in its original sealed packaging. Application:

- as bonding promoter: roller or smooth trowel;
- for mortar: rake and aluminium straight edge.

#### Consumption:

- as bonding promoter: 0.5-0.7 kg/m<sup>2</sup>;
- for mortar: recommended ratio for mortar: 1 kg of MAPEFLOOR I 900 (A+B) per 8-13 kg of QUARTZ 1.9, consumption depends on the thickness to be applied.

Packaging: 15 kg kits (A + B).



#### Mapefloor I 910

Two-component epoxy binder for trowelled mortar or bonding promoter for resin coatings.



#### **TECHNICAL DATA:**

Mixing ratio: comp. A: comp. B = 100: 50.

Colour of mix: transparent straw-coloured.

Consistency of mix: thick fluid.

Dust dry at +23°C and 50% R.H.: 2-4 hours. Set to light foot traffic at +23°C and 50% R.H.: 12 hours.

Final hardening time: 7 days.

Storage: 12 months in its original sealed packaging.

#### Application:

- for priming: roller or smooth trowel;
- for mortar: rake and aluminium straight edge.

#### Consumption:

- as bonding promoter: 0.5-0.7 kg/m<sup>2</sup>;
- for mortar: recommended ratio for mortar: 1 kg of MAPEFLOOR I 910 (A+B) per 8-13 kg of QUARTZ 1.9, consumption depends on the thickness to be applied.

Packaging: 15 kg kits (A + B).



#### Mapefloor I 914

Two-component epoxy primer for substrates and skim coats before applying waterproofing sheaths on bridges or layers of asphalt. Also suitable for injections, reparation and protection of concrete structure in compliance with requirements defined by EN 1504-5 standards.



EN 1504-5

#### TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 3 : 1.

Colour of mix: transparent yellow.

Consistency of mix: fluid.

Density of mix (kg/m³): 1080.

Viscosity of mix (mPa·s): 270 ± 30 (# 2 - rpm 50). Pot life at +23°C: approximately 30 min. Dust dry at +23°C and 50% R.H.: 3-4 hours.

Pull-out after 7 days on dry concrete (N/mm²): > 2.5 (failure of concrete).

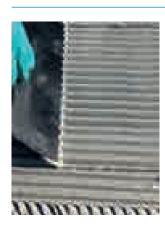
Pull-out after 7 days on damp concrete (N/mm²):

2.4 (failure of concrete).

Storage: 24 months in its original sealed packaging.

**Application:** rubber spatula, roller or brush. **Consumption:** 500-700 g/m² (depending on the

absorption of the substrate). **Packaging:** 28 kg kit (A + B).



#### Mapefloor JA NEW

Two-component thixotropic epoxy adhesive for installing MAPEJOINT 100/25 prefabricated polymer jointing profiles and for carrying out small repairs and grouting on concrete surfaces.



EN 1504-5

#### **TECHNICAL DATA:**

Mixing ratio: comp. A : comp. B = 3 : 1.

Consistency of mix: thixotropic paste.

Density of mix (kg/l): 1.65. Workability time (EN ISO 9514): 70' (at +23°C).

Setting time: 6 h (at +23°C). Storage: 24 months in its original sealed packaging stored at a temperature between +5°C and +30°C.

Application: smooth or notched trowel.

#### Consumption:

- 1.60-1.65 kg/m² per mm of thickness.
   for bonding MAPEJOINT 100/25: 5-6 kg per metre of joint, depending on the irregularity of the substrate.

Packaging: 6 kg kit (A+B).





#### Mapefloor Pore Filler

Two-component, flexible polyurethane resin-based adhesive and pore filler/smoothing compound for MAPEFLOOR COMFORT SYSTEM AL/X and MAPEFLOOR COMFORT SYSTEM AR/X.

Available only upon request.

TECHNICAL DATA:
Mixing ratio: component A: component B = 100: 22.
Viscosity of mix at +23°C (mPa·s): 45,000 (#7 - 20 rpm).
Colour of mix: beige.
Consistency of mix: thixotropic paste.
Density of mix (kg/m²): approx. 1,280.
Workability time at +20°C: approx. 30 mins.
Hardening time at +23°C and 50% R.H.:
- clust day: 2-4 hours:

- dust dry: 2-4 hours;
- set to foot traffic: 24 h;
- full hardening time: 7 days.

Storage: store in a dry, covered place at a temperature of between +5°C and +30°C. The product may be stored at least 12 months in such conditions.

such conditions.

Application:

- bonding: 3-4 mm notched trowel;

- filling pores and smoothing: straight steel or plastic trowel.

Consumption: around 0.4÷0.8 kg/m² when used as adhesive - actual consumption is heavily influenced by the type of substrate - and 0.4÷0.5 kg/m² per layer when used to smooth over

MAPE COMFORT FL.

Packaging: is supplied in 12.2 kg kits (A+B) (component A = 10 kg - component B = 2.2 kg).



#### Mapefloor PU 400 LV

Two-component, self-levelling, neutralcoloured, highly flexible polyurethane binder with fillers.



PI-MC-PR-IR

#### TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 40 : 60.

Colour of mix: beige - grey.

Consistency of mix: self-levelling paste.

Pot life at +23°C: 20 minutes.

Dusty dry: 6 hours.

Set to light foot traffic: 8 hours. Final hardening time: 16 hours. Elongation (DIN 53504): approx. 750%. Shore A hardness after 7 days: 55.

Storage: 12 months in its original sealed packaging.

Application: notched trowel.

Consumption: from 1.5 to 2 kg/m<sup>2</sup> according to the

condition of the substrate. Packaging: 20 kg kits (A + B).



#### Mapefloor PU 410

Two-component, self-levelling, neutralcoloured, fillerized flexible polyurethane binder.



#### **TECHNICAL DATA:**

Mixing ratio: comp. A: comp. B = 16: 3.9.

Colour of mix: neutral. Consistency of mix: fluid. Pot life at +20°C: 30 minutes. Dusty dry: 2-4 hours.

Set to light foot traffic: 24 hours.

Final hardening time: 7 days. Elongation (DIN 53504): approx. 112%. Shore A hardness after 7 days: 90.

Storage: 12 months in its original sealed packaging.

Application: smooth or notched trowel. Consumption: as an intermediate layer in the MAPEFLOOR PARKING SYSTEM HE: MAPEFLOOR PU 410 + MAPECOLOR PASTE: 1.0 kg/m<sup>2</sup>.

Packaging: 19.9 kg kits (A + B).



#### Mapefloor PU 460

Two-component, aromatic, coloured, elastic, polyurethane resin to form the coating systems MAPEFLOOR COMFORT SYSTEM AR and MAPEFLOOR COMFORT SYSTEM AR/X.

Available only upon request.

Mixing ratio: component A: component B = 75:25.

Viscosity of mix at +23°C (mPa·s): 1,400.

Colour of mix: colours please contact MAPEI Head Office.

Consistency of mix: self-levelling fluid paste. Density of mix (kg/m³): approx. 1,250. Workability time at +20°C: approx. 30 mins.

Hardening time at +23°C and 50% R.H.:

- dust dry: 4 hours;

set to foot traffic: 24 hours;

- full hardening time: 7 days

Storage: must be stored in its original packaging in a dry place at a temperature of between +5°C and +35°C.

Max. 12 months.

Application: notched trowel.

Consumption: approx. 2.5 kg/m² for a 2 mm thick layer. Packaging: available in 20 kg kits A+B (component A =

15 kg - component B = 5 kg).



#### Mapefloor PU 461

Two-component aliphatic, coloured, UV-resistant, elastic, polyurethane, self-levelling resin to form the coating systems MAPEFLOOR COMFORT SYSTEM AL and MAPEFLOOR COMFORT SYSTEM AL/X.

Available only upon request.

#### TECHNICAL DATA:

Mixing ratio: component A : component B = 75 : 25. Viscosity of mix at +23°C (mPa·s): 2,800.

Colour of mix: colours please contact MAPEI Head Office.

Consistency of mix: self-levelling fluid paste. Density of mix (kg/m³): approx. 1,300. Workability time at +20°C: approx. 40 mins.

Hardening time at +23°C and 50% R.H.:

- dust dry: 4 hours;
- set to foot traffic: 24 hours;
- full hardening time: 7 days

Storage: must be stored in its original packaging in a dry place at a temperature of between +5°C and +35°C. Max. 12 months.

Application: notched trowel.

Consumption: approx. 2.8 kg/m<sup>2</sup> for a 2 mm thick layer. Packaging: available in 20 kg kits A+B (component A =

15 kg - component B = 5 kg).



#### Primer EP Rustop

Two-component epoxy primer for metal surfaces.

#### TECHNICAL DATA:

Mixing ratio: comp. A: comp B = 100:30.

Colour of mix: white. Consistency of mix: liquid. Dry substances content (%): 70. Density of mix (kg/m³): 1,100.

Viscosity of mix (mPa·s): 500 (# 3 - 50 rpm). Workability time: 15-20 minutes at +20°C. Surface temperature: at least +10°C.

Pot life: 6 h at +20°C.

Varnishing: after 6-8 h at +20°C. Dusty dry: after 2 h at +20°C. Final hardening time: 24 h.

Storage: 12 months in its original sealed packaging. Application: by brush, roller or airless spray system.

Consumption: 0.2 kg/m<sup>2</sup>. Packaging: 5 kg kits (A + B).



### **Primer Grip White**

Multi-purpose, ready-to-use, synthetic resin-based bonding promoter in water dispersion with silica aggregates and very low emission of volatile organic compounds (VOC). For internal floors and walls. Bonding promoter for decorative cementitious skimming mortars from the ULTRATOP LOFT range.



#### **TECHNICAL DATA:**

Consistency: creamy liquid.

Colour: white.

**Application:** roller or brush. **Consumption:** 0.2 and 0.3 kg/m², depending on the

absorbency of the substrate.

Storage: 12 months in a dry area in its original, sealed packaging at a temperature of +5°C to +35°C.

Packaging: 10 kg drums.



**Primer LT** 

Acrylic adhesion promoter for ULTRATOP LOFT and cementitious skimming mortars. For internal use.



#### **TECHNICAL DATA:**

Consistency: fluid liquid.

Colour: white.

Application: roller or brush.

**Consumption:** 0.1 kg/m<sup>2</sup> between consecutive coats of ULTRATOP LOFT 0.1 and 0.2 kg/m<sup>2</sup>, for other

substrates, depending on the porosity.

Storage: 12 months in a dry area in its original, sealed packaging at a temperature of +5°C to +30°C.

Packaging: 5 kg cans.



#### Primer SN

Two-component epoxy primer with

May be coloured with MAPECOLOR PASTE.



#### TECHNICAL DATA:

Mixing ratio: component A: component B = 80:20.

Colour of mix: neutral.

Consistency of the mix: viscous fluid.

Density of mix (kg/m³): 1500.

Viscosity of the mix (mPa·s): 1,100 ± 100

(# 3 - rpm 50). **Pot life:** 30 min.

Application temperature range: from +8°C to +35°C.

Dust dry at +23°C and 50% R.H.: 6 hours. Set to light foot traffic at +23°C and 50% R.H.:

24 hours

Final setting time: 7 days.

Storage: 24 months in its original sealed packaging. **Application:** flat American trowel or smooth trowel. **Consumption:** 0.3-0.7 kg/m<sup>2</sup> per coat, depending on the absorbency and characteristics of the substrate.

Packaging: 20 kg kits (A+B), 5 kg kits (A+B).



#### Primer SN Rasante

Two-component, epoxy skimming product for cementitious surfaces, also on vertical surface.



Consistency of mix: paste.

Colour: straw yellow.

Density of mix (kg/m³): 1,550.

Viscosity of mix (mPa·s): 45 (# 6 - 20 rpm). Packaging: 25 kg kits (A+B).



#### **Primer W-AS**

Two-component epoxy primer in water dispersion for electrically conductive coatinas.

#### TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 25 : 75. Colour of mix: black.

Colour of mix: black.

Consistency of mix: fluid.

Density of mix (kg/m²): 1,220.

Viscosity of mix (mPa·s): 950 (# 4 - 50 rpm).

Workability time: +10°C +20°C +30°C

approx. 120 min. approx. 90 min. approx. 30 min.

Application temperature range: from +10°C to +30°C.

Electrical resistance: 10³<Re<10⁴ Ohm (typical resistance at aeathing nogits)

earthing points).

N.B.: these values may vary according to surrounding conditions (temperature and humidity) and the equipment used to take the

**Set to foot traffic:** approx. 26 h at +10°C; approx 13 h at +20°C;

approx 8 h at +30°C

Storage: 12 months in its original packaging at a temperature of between +5°C and +30°C.

Consumption: 80-100 g/m².

Packaging: 8 kg kits (A+B).

#### 11.2 Cementitious based products \_



#### Mapetop N AR6

Pre-blended, ready-to-use industrial hardener for concrete floors made from special quartz in a granulometric curve, Portland cement and special additives.



Colour of mix: grey, light grey, anthracite, green, brown, red. Density of mix (kg/m³): 2,200. pH of mix: >12.5.

pensity or mix (kg/m²): 2,200.

Ph of mix: >12.5.

Application temperature range: from +5°C to +35°C.

Compressive strength EN 13892/2 (N/mm²): 30 (after 1 day);

70 (after 28 days).

Flexural strength EN 13892/2 (N/mm²): 6 (after 1 day) 8 (after 28 days).

Bond strength on concrete (substrate in MC 0.40 - water/cement ratio = 0.40) according to EN 1766 (N/mm²): > 2 (after 28 days).

Impermeability to water - penetration depth - EN 12390/8 (mm): < 5.

Coefficient of capillary absorption EN 1062/3 (kg/m²-h<sup>0.5</sup>): < 0.1.

Böhme abrasion resistance EN 13892/3: Class 6.

Reaction to fire EN 13501: Euroclass A1<sub>fl</sub>.

Storage: 12 months in its original sealed packaging.

Application: by dusting.

Consumption:

- manual application: from 1.5 to 2.5 kg/m² per coat;

- mechanical application: from 3 to 5 kg/m².

Packaging: 25 kg bags.



#### Mapetop S AR3

Pre-blended dry-shake hardener for concrete floors made of special aggregates based on corundum, Portland cement and special additives.



#### **TECHNICAL DATA:**

Colour of mix: grey; other colours available on request. Density of mix (kg/m³): 2,400.

pH of mix: >12.5. Application temperature: +5°C to +35°C.

Application temperature: +5°C to +35°C.

Compressive strength (EN 13892/2) (N/mm²): 50 (after 3 days) - 70 (after 28 days).

Flexural strength (EN 13892/2) (N/mm²): 7 (after 3 days) - 9 (after 28 days).

Adhesion to concrete (substrate in MC 0.40 - water/cement ratio = 0.40) according to EN 1766 (N/mm²): ≥ 2 (after 28 days).

Böhme abrasion resistance EN 13892-3: Class 3. Reaction to fire EN 13501: Euroclass A1<sub>fl</sub>. Storage: 12 months in its original sealed packaging.

Application: dry-shaking.

- Consumption:

   manual application: 2.5 to 5.5 kg/m² per coat;

   mechanical application: 5 to 8 kg/m².

Packaging: 25 kg bags.



#### **Ultratop**

Self-levelling, ultra-quick hardening mortar with special hydraulic binders, applied at a thickness between 5 and 40 mm to create abrasionresistant floors.



#### TECHNICAL DATA:

Colour: white, beige, light grey, red, anthracite and standard.

Mixing ratio: 20-22 parts of water per 100 parts in weight

Applicable thickness: from 5 to 40 mm.

Self-levelling: yes.
Workability time: 15 minutes.

Setting time: 60 minutes. Set to light foot traffic: 3-4 hours.

Compressive strength after 28 days at +23°C:  $> 40 \text{ N/mm}^2$ 

Flexural strength after 28 days at +23°C: ≥ 11 N/mm². Böhme abrasion resistance after 28 days at +23°C:

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months in its original sealed packaging.

Application: by hand or mortar pump.

Consumption: 16.5-17.5 kg/m² per cm of thickness.

Packaging: 25 kg bags.



#### **Ultratop Base Coat**

One-component acrylic formulate in water dispersion used as a base coat before applying protective finishes on ULTRATOP, ULTRATOP LIVING and ULTRATOP LOFT.



Colour: milky white.

Consistency: liquid.

Storage: 12 months in a dry, covered area in its original packaging at a temperature of +12°C to +30°C. Protect from freezing weather.

Application: ready-mixed. Apply a single coast to form an even, thin film with a medium pile roller (such as mohair); go over the surface in criss-cross strokes without leaving excess product on the surface.

Consumption: 50-80 g/m<sup>2</sup> depending on the porosity

of the substrate.

Packaging: 10 kg tanks.



#### **Ultratop Easycolor**

Colouring solution for cementitiousbased ULTRATOP LOFT systems.

#### **TECHNICAL DATA:**

Consistency: liquid.

Colours: various.

Storage: 18 months in a dry area in its original packaging at a temperature of +5°C to +30°C. Application: mix with ULTRATOP LOFT F or ULTRATOP LOFT W using an electric mixer at low speed to form a well-blended, lump-free coloured mix. Consumption: 1 x 1.5 l drum every 5 kg of ULTRATOP

Packaging: 1.5 I drums.



#### Ultratop Living

Self-levelling, ultra-quick setting mortar with special hydraulic binders, applied at a thickness between 5 and 15 mm to create abrasion-resistant internal floors



#### TECHNICAL DATA:

Colour: white, light grey, anthracite and natural.

Mixing ratio: 19-21 parts of water per 100 parts in weight of ULTRATOP LIVING.

Applicable thickness: from 5 to 15 mm.

Self-levelling: yes.
Workability time: 15 minutes.
Setting time: 60-80 minutes. Set to light foot traffic: 3-4 hours.

Compressive strength after 28 days at +23°C:

> 32 N/mm<sup>2</sup>.

Flexural strength after 28 days at +23°C: ≥ 9 N/mm². Böhme abrasion resistance after 28 days at +23°C: 11 cm<sup>3</sup>/50 cm<sup>2</sup>

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months in its original sealed packaging.

Application: by hand or mortar pump.

Consumption: 16.5-17.5 kg/m² per cm of thickness.

Packaging: 25 kg bags.



#### Ultratop Loft F

One-component trowellable coarsetextured cementitious paste applied in layers up to 2 mm thick to create decorative floors with a trowelled or mottled effect.



#### TECHNICAL DATA:

Consistency: powder. Colour: white or natural. Bulk density: 1,100 kg/m<sup>3</sup>.

**Mixing ratio:** approx. 25-29 parts of water per 100 parts by weight of ULTRATOP LOFT F.

Workability time: 20 minutes. Setting time: 80 minutes. Set to foot traffic: 3 hours.

Compressive strength at +23°C after 28 days: 25 N/mm<sup>2</sup>. Flexural strength at +23°C after 28 days: 10 N/mm². Abrasion resistance - Taber abrasion meter (H22 disk, 500 g, 200 revs) after 28 days: 500 mg. Abrasion resistance class (Böhme test) after 28 days: A9. Application: smooth steel, Teflon or rubber trowel.

Consumption: 0.7-1 kg/m<sup>2</sup>

Packaging: 20 kg bags. Kits containing 4x5 kg alupacks.



#### **Ultratop Loft W**

One-component trowellable finetextured cementitious paste applied in lavers up to 2 mm thick to create decorative floors with a trowelled or mottled effect.



#### **TECHNICAL DATA:**

Consistency: fine powder.
Colour: white or natural. Bulk density: 900 kg/m3.

Mixing ratio: approx. 32-35 parts of water per 100 parts

by weight of ULTRATOP LOFT W. Workability time: 20 minutes. Setting time: 80 minutes. Set to foot traffic: 3 hours.

Compressive strength at +23°C after 28 days: 25 N/mm². Flexural strength at +23°C after 28 days: 12 N/mm². Abrasion resistance - Taber abrasion meter (H22 disk, 500 g, 200 revs) after 28 days: 500 mg. Abrasion resistance class (Böhme test) after 28 days: A9. Application: smooth steel, Teflon or rubber trowel

Consumption: 0.7-1 kg/m<sup>2</sup>

Packaging: 20 kg bags. Kits containing 4x5 kg alupacks.



#### **Ultratop Stucco**

Grout made from special hydraulic binders for sealing micro-porosity which forms after the first polishing phase of ULTRATOP.



Consistency: fine powder.

Colour: white, beige, light grey, red, anthracite and

Storage: 12 months in its original sealed packaging.

Bulk density: 850 kg/m³.

Mixing ratio: 30-40 parts of water per 100 parts by weight of ULTRATOP STUCCO.

Application: rubber trowel.

Consumption: according to the micro-porosity.

Packaging: 5 kg drums.



#### 11.3 Complementary products for resin and cementitious floors



**Additix PE**Admixture to make epoxy and polyurethane products thicker with a thixotropic consistency.

TECHNICAL DATA: Appearance: powder. Colour: white. Density: 960 kg/m³.

Consumption: 1.5-5% by weight on the weight of the

resin.

Packaging: 1 kg drums.



**Copper Band**Self-adhesive copper strip to make conductive and dissipative surfaces.

TECHNICAL DATA: Length: 16.5 metres. Width: 10 millimetres.

Packaging: cardboard box containing 20 bags with 1 roll of 16.5mx10mm COPPER BAND per bag.



**Epoxy Speed**Solvent-free accelerator for epoxy primers.

TECHNICAL DATA: Appearance: liquid. Colour: light yellow. Density: 0.97 g/m³.

Density: 0.97 g/m³. Viscosity at +23°C: 200 mPa·s.

**Consumption:** 2-3% of the total weight of the epoxy

binder used (A+B). **Packaging:** 5 kg drums.



Gravel - Bardiglio Grey (2-4 mm)

Dried bardiglio grey marble aggregate in a special granulometric curve from 2 to 4 mm to make decorative surfaces with good drainage properties. Use in combination with MAPEFLOOR BINDER 930 one-component, aliphatic, polyurethane binder.

#### TECHNICAL DATA:

**Appearance:** dried bardiglio grey marble aggregate in a special granulometric curve from 2 to 4 mm.

Colour: bardiglio grey.

**Storage:** 24 months in its original packaging in a dry place.

Application: mixed with MAPEFLOOR BINDER 930 one-component aliphatic polyurethane binder.

Consumption: 20 kg of 2-4 mm GRAVEL BARDIGLIO GREY per 1 kg of MAPEFLOOR
BINDER 930.

Packaging: 25 kg bag.



#### **Gravel - Carrara** White (2-4 mm)

Dried carrara white marble aggregate in a special granulometric curve from 2 to 4 mm to make decorative surfaces with good drainage properties. Use in combination with MAPEFLOOR BINDER 930 one-component, aliphatic, polyurethane binder.

#### TECHNICAL DATA:

Appearance: dried carrara white marble aggregate in a special granulometric curve from 2 to 4 mm.

Colour: carrara white.

Storage: 24 months in its original packaging in a dry

Application: mixed with MAPEFLOOR BINDER 930 Application: mixed with MAPEFLOOR BINDER 930 one-component aliphatic polyurethane binder.

Consumption: 20 kg of 2-4 mm GRAVEL - CARRARA WHITE per 1 kg of MAPEFLOOR BINDER 930.

Packaging: 25 kg bag.



#### Gravel - Ebony Black (2-4 mm)

Dried ebony black marble aggregate in a special granulometric curve from 2 to 4 mm to make decorative surfaces with good drainage properties. Use in combination with MAPEFLOOR BINDER 930 one-component, aliphatic, polyurethane binder.

#### **TECHNICAL DATA:**

Appearance: dried ebony black marble aggregate in a special granulometric curve from 2 to 4 mm.

Colour: ebony black.

Storage: 24 months in its original packaging in a dry

Application: mixed with MAPEFLOOR BINDER 930 one-component aliphatic polyurethane binder.

Consumption: 20 kg of 2-4 mm GRAVEL - EBONY
BLACK per 1 kg of MAPEFLOOR BINDER 930.

Packaging: 25 kg bag.



#### Mapecomfort FL NEW

Rubber matting made from granules of recycled rubber for creating MAPÉFLOOR COMFORT SYSTEM AL/X and MAPEFLOOR COMFORT SYSTEM AR/X. Thickness 4 mm.

#### **TECHNICAL DATA:**

Density: 3.0 kg/m<sup>2</sup>.

Dynamic stiffness: 66 MN/m<sup>2</sup>. Tensile strength: 470 kPa. Density of the rubber: 750 kg/m<sup>3</sup>.

Elongation at failure: 41%

Packaging: 1 m x 20 m rolls, 4 mm thickness.



## Mapefibre Glass HP

Alkali-resistant glass fibres for reinforcing cementitious mortar and resin.

#### TECHNICAL DATA:

Diameter of fibre: 14 µm.

Length: 6 mm.

Consumption: max. 5 kg/m<sup>3</sup>. Packaging: 18 kg polyethylene bags.



Mapefloor Cleaner ED

Detergent for normal degreasing operations of floors.

TECHNICAL DATA:

Appearance: opaque liquid.

Colour: green.

Solubility in water: soluble.

Storage: 24 months in its original sealed packaging.

Application: by hand or rendering machine.

Packaging: 10 kg tanks.



#### Mapefloor Filler

Calibrated fillers added to MAPEFLOOR FINISH 50 N, MAPEFLOOR FINISH 52 W, MAPEFLOOR FINISH 53 W/L, MAPEFLOOR FINISH 54 W/S, MAPEFLOOR FINISH 58 W and MAPECOAT I 620 W to form a non-slip finish.

#### TECHNICAL DATA:

Appearance: crystalline powder.

Colour: white.

Particle size distribution:

- 35% (100 µm residues); - 85% (45 µm residues). Consumption: 5-10 g/m<sup>2</sup>.

Packaging: 0.3 kg plastic buckets.



#### Mapefloor Maintenance Kit

A series of products for cleaning and periodic maintenance of floors to guarantee their performance characteristics and attractive finish.

#### TECHNICAL DATA:

Storage: 12 months in their original, sealed packaging at a temperature of between +10°C and +30°C.

Protect from frost.

Packaging: MAPEFLOOR MAINTENANCE KIT is

made up of the following products:

- MAPELUX LUCIDA: 1x5 kg;

- MAPEFLOOR WAX REMOVER: 1x5 kg;

- MAPEFLOOR CLEANER ED: 2x5 kg.



#### Mapefloor Wax Remover

De-waxing, multi-action detergent for removing all types of metallic wax including the double-reticulation type, such as MAPELUX LUCIDA or MAPELUX OPACA.

#### TECHNICAL DATA:

Appearance: liquid.

Colour: pink.
Solubility in water: soluble. Solubility in oil: insoluble.

Storage: 12 months in its original sealed packaging.

Packaging: 10 kg.



#### Mapejoint 100/25 NEW

Pre-cast composite polymeric joint to be inserted in old, damaged and worn joints, including those with large amounts of movement or subject to intense traffic in industrial settings.



Dimensions: length: 1000 mm, width: 250 mm,

thickness: 25 mm. Colour: grey.

Maximum width of open joint: 29 mm.

Maximum permitted horizontal movement: 15 mm.

Compressive strength: 90 N/mm<sup>2</sup>. Flexural strength: 75 N/mm<sup>2</sup>.

Packaging: 1000 mm long pieces measuring 250 mm

wide by 25 mm thick.



#### Mapelux Lucida

Double-reticulation, high-strength shiny metallic wax.

#### TECHNICAL DATA:

Appearance: emulsion. Colour: bluish-white.

Application temperature range: from +10°C

pH:  $8.4 \pm 0.2$ . Storage: 12 months in their original, sealed packaging

at a temperature of between +10°C and +30°C.

Protect from frost.

Application: special wax spreader.

Consumption: 50 g/m<sup>2</sup>. Packaging: 10 kg tanks.



### Mapelux Opaca

Double-reticulating, high-strength matt metallic wax.

#### **TECHNICAL DATA:**

Appearance: emulsion. Colour: bluish-white.

Application temperature range: from +10°C

to +30°C.

**pH:**  $8.4 \pm 0.2$ .

Storage: 12 months in their original, sealed packaging

at a temperature of between +10°C and +30°C.

Protect from frost.

Application: special wax spreader.

Consumption: 50 g/m<sup>2</sup>. Packaging: 10 kg drums.



PU Catalyst

Accelerator for polyurethane MAPEFLOOR PARKING SYSTEM products.

#### **TECHNICAL DATA:**

Area of use: add PU CATALYST at a rate of 0.5-1.5% of the total weight of polyurethane formulate (A+B) used.

Storage: 12 months in a dry place in its original

packaging.

Consumption: 0.5-1.5% of the total weight of

polyurethane formulate (A+B) used. **Packaging:** 5 kg drums.



Quartz 0.25 Quartz sand used as a "filler" and/or for "sprinkling" on epoxy and polyurethane systems.

#### TECHNICAL DATA: Colour: greyish white. Maximum size of inerts: 0.25 mm. Packaging: 25 kg bags.



Quartz 0.5 Quartz sand used as a "filler" and/or for "sprinkling" on epoxy and polyurethane systems.





Quartz 0.9 Quartz sand used as a filler and/or for broadcasting epoxy and polyurethane systems.





Quartz 1.2 Quartz sand used as a "filler" and/or for "sprinkling" on epoxy and polyurethane systems.

#### TECHNICAL DATA: Colour: greyish white. Maximum size of inerts: 1.2 mm. Packaging: 25 kg bags.



Quartz 1.9 Mixture of calibrated spherical quartz used as a filler in MAPEFLOOR I 900 for preparing mortar with a consistency similar to a mortar screed.

TECHNICAL DATA:
Colour: light grey.
Maximum size of inerts: 1.9 mm.
Consumption: recommended ratio for mortar:
8-13 kg of QUARTZ 1.9 per kg of MAPEFLOOR I 900
(A+B).
Packaging: 25 kg bags.



Rete 320 Glass fibre mesh for reinforcing epoxy systems.

TECHNICAL DATA: **Weight:** 350 g/m². **Mesh size:** 15.7 x 10.1 mm. **Packaging:** 50 x 1 m.



PRODUCTS FOR REPAIRING ASPHALT AND HIGHWAY MAINTENANCE

#### 12. PRODUCTS FOR REPAIRING ASPHALT AND HIGHWAY MAINTENANCE



#### Mape-Asphalt Repair 0/8

One-component, ready-to-use reactive asphalt, applied cold, for repairing holes in roads.

#### **TECHNICAL DATA:**

Maximum size of aggregate: 8 mm. Minimum applicable thickness: 20 mm.

Maximum applicable thickness: 70 mm.

Step-on time: immediate.

Application temperature range: from 0°C to +35°C.

Storage: 9 months.

Application: trowel, spatula, rake or shovel.

Consumption: approximately 23 kg/m² per centimetre

of thickness

Packaging: 25 kg drums.



#### Mapefloor EP 90

Three-component high performance epoxy screed consistency mortar for repairing concrete flooring and forming support layers for beams and joints.



#### TECHNICAL DATA:

Mixing ratio: comp A: comp. B: comp. C = 1.95: 0.8: 24 by weight.

Consistency of mix: screed consistency. Pot life of mix: approx. 50 minutes (at +23°C). Minimum applicable thickness: 5 mm. Maximum applicable thickness: 5 cm per layer.

Classification: - EN 1504-3 - class R4 structural mortar;

- EN 13813 - synthetic resin screed materials.

Storage: 24 months. Application: trowel.

Consumption: approx. 20 kg/m<sup>2</sup> per cm of thickness. Packaging:

26.75 kg kit:

- 1.95 kg canister (comp. A);

- 0.80 kg canister (comp. B);

- 24 kg vacuum-packed polyethylene sack (comp. C).





#### Mapegrout Betontech HPC

Free-flowing, shrinkage compensated cementitious grout with added polymer fibre reinforcement with a workhardening effect for restoring concrete requiring a high level of ductility.



#### TECHNICAL DATA:

Maximum size of aggregate: 6 mm.

Mixing ratio: 100 parts of MAPEGROUT BETONTECH HPC with 11.5-12.5 parts of water and 0.25% of

MAPECURE SRA.

Pot life of mix: approx. 1 hour (at +20°C). Minimum applicable thickness: 3 cm. Maximum applicable thickness: 10 cm.

Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months.

Application: pouring into formwork.

Consumption: approx. 20.5 kg/m² per cm of

Packaging: 25 kg vacuum-packed polyethylene bags and 1,000 kg big-bags.



#### Mapegrout Betontech HPC10

Rheoplastic cementitious mortar with added structural fibre reinforcement with a work-hardening effect for restoring concrete requiring a high level of ductility.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 10 mm.

Mixing ratio: 100 parts of MAPEGROUT BETONTECH HPC10 with 9.5-10.0 parts of water.

Pot life of mix: approx. 1 hour (at +20°C). Minimum applicable thickness: 5 cm. Maximum applicable thickness: 30 cm.

Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months.

**Application:** pouring into formwork.

Consumption: approx. 21 kg/m² per cm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags

and 1,000 kg big-bags.







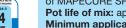
#### Mapegrout Hi-Flow TI 20

Hi-flow, compensated-shrinkage, steel fibre-reinforced, high-ductility cementitious mortar.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 2.5 mm. Mixing ratio: 100 parts of MAPEGROUT HI-FLOW TI 20 with 14-16 parts of water and 0.25% of MAPECURE SRA.



Pot life of mix: approximately 1 hour (at +20°C). Minimum applicable thickness: 1 cm. Maximum applicable thickness: 5 cm per layer. Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months.

Application: pouring into formwork.

Consumption: approximately 20 kg/m² per cm of

Packaging: 25 kg vacuum-packed polyethylene bags.



#### Mapegrout SV

Quick-setting and hardening, compensated-shrinkage hi-flow mortar for repairing concrete and fixing drains, manholes and urban architectural fittings in place.



#### TECHNICAL DATA:

Maximum dimension of aggregate: 2.5 mm. Mixing ratio: 100 parts of MAPEGROUT SV with 12-13 parts of water.

Pot life of mix: 15 minutes (at +20°C). Minimum applicable thickness: 1 cm.

Maximum applicable thickness: 5 cm per layer. Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months. Colour: grey and black.

Application: pouring into formwork.

Consumption: 20 kg/m² per cm of thickness.

Packaging: 25 kg vacuum-packed polyethylene bags.



#### Mapegrout SV Fiber

Hi-flow, steel fibre-reinforced compensated-shrinkage, quicksetting and hardening, high-ductility cementitious mortar applied at temperatures down to -5°C, with stiff steel fibres for repairing concrete.



#### TECHNICAL DATA:

Maximum dimension of aggregate: 2.5 mm. Mixing ratio: 100 parts of MAPEGROUT SV FIBER with 13.5-14.5 parts of water.

Pot life of mix: approximately 20 minutes (at +20°C). Minimum applicable thickness: 1 cm.

Maximum applicable thickness: 5 cm per layer. Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months. Application: pouring into formwork.

Consumption: approximately 20 kg/m² per cm of

Packaging: 25 kg vacuum-packed polyethylene bags.



## Mapegrout SV T

Quick-setting and hardening, compensated-shrinkage thixotropic mortar for repairing concrete and fixing drains, manholes and urban fittings in place.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPEGROUT SV T with 12.5-13.5 parts of water.

Pot life of mix: 10 minutes (at +20°C). Minimum applicable thickness: 1 cm.

Maximum applicable thickness: 5 cm per layer. Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months. Colour: black.

Application: gauging trowel or trowel. Consumption: 20 kg/m² per cm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags.









## 12. PRODUCTS FOR REPAIRING ASPHALT AND HIGHWAY MAINTENANCE



#### **Primer RM**

Two-component fillerized epoxy primer for treating the surface of concrete before applying epoxy mortar.

TECHNICAL DATA:
Mixing ratio: comp A: comp. B = 60: 40.
Consistency of mix: fluid.
Pot life of mix: approx. 30 mins. (at +23°C).
Storage: 12 months.
Application: spreader, brush or roller.
Consumption: approx. 450 g/m² depending on the absorbency of the substrate.
Packaging: 2 kg kit:
- 1.2 kg tub (comp. A);
- 0.8 kg canister (comp. B).



PRODUCTS FOR THE RESTORATION OF MASONRY BUILDINGS

#### 13. PRODUCTS FOR THE RESTORATION OF MASONRY BUILDINGS

#### 13.1 Consolidating various types of weak and crumbly substrates (porous stone, brickwork, tuff, installation mortar, render, etc.) by impregnating.



#### **Consolidante 8020**

Reversible consolidating product in solvent for the conservative restoration and consolidation of porous stone substrates, lime render and layers of paint.

#### TECHNICAL DATA:

Consistency: colourless liquid.

Active ingredient: vinyl-versatile copolymers.

Density: 0.81 g/cm<sup>3</sup> Dry solids content: 3%. Storage: 12 months.

Application: brush, roller or spray (low pressure

manual spray gun).

Consumption: 0.1-1.0 kg/m² (according to the type of substrate, porosity and depth to be consolidated).

Packaging: 10 kg metallic drums.



#### Consolidante ETS

Tetraethyl orthosilicate-based consolidator in solvent for the conservative renovation and consolidation of porous stone, bricks, terracotta and render.

#### **TECHNICAL DATA:**

Consistency: colourless liquid.

Active ingredient: tetraethyl orthosilicate.

Density: 0.94-1.010 g/cm<sup>3</sup>. Storage: 12 months.

Application: brush, roller or spray pack or injection

with hand or electronic pump.

Consumption: 0.1-1.0 kg/m² (depending on type of

substrate and depth to be consolidated).

Packaging: 10 kg metal drums.



#### Consolidante ETS WR

Water-repellent, tetraethyl orthosilicatebased consolidator in solvent for the conservative renovation and consolidation of porous stone, bricks, terracotta and render.

#### TECHNICAL DATA:

Consistency: colourless liquid.

Active ingredient: tetraethyl orthosilicate.

Density: 0.94-1.010 g/cm<sup>3</sup>.

Storage: 12 months.

Application: brush, roller or spray pack or injection

with hand or electronic pump.

Consumption: 0.1-1.0 kg/m<sup>2</sup> (depending on type of

substrate and depth to be consolidated).

Packaging: 10 kg metal drums.



Primer 3296

Consolidating and anti-dust acrylic primer in water dispersion.

#### **TECHNICAL DATA:**

Dry solids content: 15%. Storage: 12 months.

Application: brush, roller or watering can. Consumption: 0.1-0.5 kg/m² (according to the absorption and porosity of the surface to be treated).

Packaging: 5 and 10 kg tanks.

#### 13.2 Reconditioning and consolidating masonry with free-flowing mortar.



#### Mape-Antique Colabile

Salt-resistant, hi-flow natural hydraulic lime and **ECO-POZZOLAN-**based masonry mortar for reconditioning and consolidating masonry.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPE-ANTIQUE COLABILE with 12 parts water (3 litres of water per 25 kg bag of product) and 0.25% of MAPE-ANTIQUE COLABILE canister every 4 bags of MAPE-ANTIQUE COLABILE). Porosity of fresh mortar: 7%

Workability time of fresh mortar: approx. 60 mins. Classification: EN 998-2 - type G mortar, category

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

**Application:** by pouring or pumping. **Consumption:** 1.83 kg/dm³ (of cavities to be filled).

Packaging: 25 kg bags.

#### 13.3 Consolidating masonry and render by injecting slurry.



#### Mape-Antique F21

Super-fluid, salt-resistant, hydraulic binder with fillers made from lime and ECO-POZZOLAN applied by injection for consolidating masonry and render, including the frescoed ones.

#### **TECHNICAL DATA:**

Maximum diameter of aggregate: 100 µm. Mixing ratio: 100 parts of MAPE-ANTIQUE F21 with approx. 60 parts of water (10.2 I of water for each

17 kg bag of product).

Fluidity of the mixture: < 30 sec.

Workability time of fresh mortar: approx.

40 minutes.

Sulphate resistance: high. Saline efflorescence: absent.

Storage: 12 months.

Application: injection or by pouring.

Consumption: 1.04 kg/dm³ (of cavities to be filled).

Packaging: 17 kg bags.



## Mape-Antique I

Super-fluid, salt-resistant, lime and ECO-POZZOLAN-based, hydraulic binder with fillers applied by injection for consolidating masonry.

#### TECHNICAL DATA:

Maximum diameter of aggregate: 100 µm. Mixing ratio: 100 parts of MAPE-ANTIQUE I with 35 parts of water (7 I of water for each 20 kg bag of product).

Fluidity of the mixture: < 30 sec.

Workability time of fresh mortar: 60 minutes.

Sulphate resistance: high. Saline efflorescence: absent.

Storage: 12 months.

Application: injection or by pouring.
Consumption: approx. 1.40 kg/dm³ (of cavities to

be filled).

Packaging: 20 kg bags.



#### Mape-Antique I-15

Salt-resistant, fillerized, lime and ECO-POZZOLAN-based hydraulic binder for making super-fluid injection slurry for consolidating masonry.

#### **TECHNICAL DATA:**

Maximum size of aggregate: 100 µm. Mixing ratio: 100 parts of MAPE-ANTIQUE I-15 with 30 parts water (6 litres of water per 25 kg bag of product).

Fluidity of mix: < 30 sec.

Workability time of fresh mortar: approx. 60 mins. Compressive strength after 28 days: 15 N/mm<sup>2</sup>.

Resistance to sulphates: high. Saline efflorescence: absent. Application: injection or pouring.

Consumption: approx. 1.50 kg/dm3 (of cavities

to be filled).

Packaging: 20 kg bags.

#### 13. PRODUCTS FOR THE RESTORATION OF MASONRY BUILDINGS



# MapeWall Inject & Consolidate

Reactive natural hydraulic limebased inorganic binder with very low emission of VOC used to make superfluid injection slurry for consolidating masonry.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 100 µm.

Mixing ratio: 100 parts of MAPEWALL INJECT & CONSOLIDATE with 29-30 parts of water (5.8-6.0 litres of water per 20 kg bag of product).

Fluidity of mix: < 40 sec.

Workability time of fresh mortar: approx. 60 mins. Classification: EN 998-2 - type G mortar, class M15.

**EMICODE:** EC1 R Plus - very low emission.

**Storage:** 12 months. **Application:** injection or pouring.

Consumption: approx. 1.50 kg/dm³ (of cavities to

be filled).

Packaging: 20 kg bags.



#### 13.4 Horizontal chemical barriers against capillary rising damp



#### **Mapestop**

Agent applied by injection made from micro-emulsion, concentrated silane and siloxane used to form a chemical barrier against capillary rising damp in masonry.

#### **TECHNICAL DATA:**

Dimension of particles: 20-60 µm. Mixing ratio in water: 1: 15-19. Silane/siloxane content: 100%. Duration of solution: 24 hours.

Storage: 12 months.

**Application:** by gravity or suitable injection pump. **Consumption:** according to the absorption of the masonry. Approximately 8-9 kg/m of solution for a 40 cm thick wall, corresponding to 0.4-0.6 kg of neat MAPESTOP.

Packaging: 1 and 10 kg metal can with spout.



## Mapestop Cream

Monomeric silane-based creamy emulsion for creating chemical barriers against capillary rising damp.

#### TECHNICAL DATA:

Consistency: creamy paste.

Colour: white.
Density: 0.98 g/cm<sup>3</sup>.
Storage: 12 months.

**Application:** sealant gun for 280 ml cartridge and 600 ml sausage gun such as MAPEI GUN 600 PRO. **Consumption:** according to type and thickness of masonry. Approx. 10 ml per metre per cm of thickness

of masonry for 12 mm diam. holes.

**Packaging:** box of 12 x 280 ml cartridges. Box of 10 x 600 ml sausages with one injection tool included.



# Mapestop Cream Tool 280 NEW

MAPESTOP CREAM injection tube to be used with manual extrusion guns for 280 ml cartridges.

#### TECHNICAL DATA:

Packaging: 12 pcs box.

To be used with Mapei products: MAPESTOP

CREAM (280 ml cartridges).



#### Mapestop Cream Tool 600 NEW

MAPESTOP CREAM injection tube to be used with manual extrusion guns for 600 ml sausages.

#### TECHNICAL DATA:

Packaging: 4 pcs bag.

To be used with Mapei products: MAPESTOP CREAM (600 ml sausages) and MAPEI GUN 600 PRO.



#### Mapestop Injectors

Spare parts kit for MAPESTOP KIT DIFFUSION.

#### **TECHNICAL DATA:**

Packaging: cardboard box containing 8 of each of the following items:

- Ø 12 mm injectors;
- 50 cm long diffusing tube (outside diameter 12 mm);
- sealing plug.



#### Mapestop Kit Diffusion

Complete kit to create a slow-diffusion chemical barrier against capillary rising damp.

#### TECHNICAL DATA:

Packaging: cardboard box containing 8 of of each of the following items:

- 1.5 litre diffuser in PE HD;
- galvanized support bracket;
- 100 cm long PVC tube (outside diameter 7 mm);
- Ø 12 mm injector;
- 50 cm long diffusing tube (outside diameter 11 mm);
- sealing plug.

#### 13.5 De-humidifying masonry with binders and mortars for render



#### Mape-Antique CC

Macro-porous, salt-resistant dehumidifying render made from lime and ECO-POZZOLAN for repairing old masonry, including on buildings of historical interest.





#### TECHNICAL DATA:

Maximum diameter of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPE-ANTIQUE CC with 14-16 parts of water (3.5-4 l of water for each 25 kg bag of product).

Porosity of the mix while still fresh: > 20%. Coefficient of permeability to water vapour:  $\leq$  10  $\mu$ . Workability time of fresh mortar approx. 1 hour. Minimum applicable thickness: 20 mm.

Maximum applicable thickness per layer: 30 mm. Classification: EN 998-1 - type R mortar, category

CS II. **EMICODE:** EC1 R Plus - very low emission.

Storage: 12 months. Colour: light pink.

Application: gauging trowel.

**Consumption:** 15 kg/m² (per cm of thickness). **Packaging:** 25 kg bags.

#### 13. PRODUCTS FOR THE RESTORATION OF MASONRY BUILDINGS



#### Mape-Antique Eco Rinzaffo

Salt-resistant, breathable, natural hydraulic lime and ECO-POZZOLAN scratch-coat mortar used as a base layer before applying de-humidifying, breathable and structural render.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPE-ANTIQUE ECO RINZAFFO with 21-23 parts of water (4.20-4.65 litres of water per 20 kg bag of product).

Porosity of wet mortar: > 5%.

Water vapour permeability coefficient: ≤ 30 µ. Workability time of fresh mortar: approx. 60 minutes. Thickness applied: 5 mm.

Classification: EN 998-1 - type GP mortar, category

EMICODE: EC1 Plus - very low emission.

Storage: 12 months.

Application: by trowel or with a continuous-feed

rendering machine.

Consumption: 8 kg/m<sup>2</sup> (5 mm thick layer).

Packaging: 20 kg bags.



#### Mape-Antique Eco Risana

Macro-porous, natural hydraulic lime and **ECO-POZZOLAN** dehumidifying rendering mortar for renovating old masonry, including buildings of historical interest with rising damp.



R-CS II

#### **TECHNICAL DATA:**

Maximum size of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPE-ANTIQUE ECO RISANA with 21-23 parts of water (5.25-5.75 litres of water per 25 kg bag of product).

Porosity of wet mortar: > 20%.

Water vapour permeability coefficient:  $\leq 10 \mu$ . Workability time of fresh mortar: approx. 60 minutes.

Minimum applicable thickness: 20 mm.

Maximum applicable thickness per layer: 30 mm. Classification: EN 998-1 - type R mortar, category

**EMICODE:** EC1 R Plus - very low emission.

Storage: 12 months.

Application: by trowel or with a continuous-feed

rendering machine.

Consumption: 14 kg/m² (per cm of thickness).

Packaging: 25 kg bags.



#### Mape-Antique LC

Salt-resistant, lime and ECO-POZZOLAN hydraulic binder mixed with aggregates in various grain sizes to make de-humidifying render and masonry mortar.



Mixing ratio:

- 0.5-2.5 mm sand: 500 kg/m³ of MAPE-ANTIQUE LC with 1,000 kg/m<sup>3</sup> of sand and 225 l/m<sup>3</sup> of water;
- 0.5-5 mm sand: 450 kg/m³ of MAPE-ANTIQUE LC with 1,150 kg/m³ of gravel and 210 l/m³ of water;
- 0-8 mm sand: 400 kg/m3 of MAPE-ANTIQUE LC with 1,300 kg/m³ of gravel and 200 l/m³ of water;

Storage: 12 months.

Application: gauging trowel or by pouring. Consumption: approximate (per cm of thickness):

- 5.0 kg/m² with fine sand (0.5-2.5 mm);
   4.5 kg/m² with coarse sand (0.5-5 mm);
   4.0 kg/m² with gravel (0-8 mm).

Packaging: 20 kg bags.



#### Mape-Antique MC

Macro-porous, salt-resistant dehumidifying render made from lime and ECO-POZZOLAN for repairing old masonry, including on buildings of historical interest.



#### **TECHNICAL DATA:**

Maximum diameter of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPE-ANTIQUE MC with 14-16 parts of water (3.5-4 I of water for each 25 kg bag of product).



EC 1

Porosity of the mix while still fresh: > 20%. Coefficient of permeability to water vapour:  $\le$  10  $\mu$ . Workability time of fresh mortar approx. 60 minutes.

Minimum applicable thickness: 20 mm.

Maximum applicable thickness per layer: 30 mm. Classification: EN 998-1 - type R mortar, category

CS II. **EMICODE:** EC1 R Plus - very low emission.

Storage: 12 months. Colour: white.

Application: gauging trowel.

Consumption: 15 kg/m<sup>2</sup> (per cm of thickness).

Packaging: 25 kg bags.





#### Mape-Antique MC Macchina

Macro-porous, salt-resistant dehumidifying, lime and ECO-POZZOLAN based render for repairing existing masonry, including on buildings of historical interest.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPE-ANTIQUE MC MACCHINA with 19-21 parts of water (4.75-5.25 litres

of water per 25 kg bag of product).

Porosity of the mortar while still fresh: >20%. Coefficient of permeability to water vapour:  $\leq$  10  $\mu$ . Workability time of fresh mortar: approx. 60 min.

Minimum applicable thickness: 20 mm.

Maximum applicable thickness per layer: 30 mm. Classification: EN 998-1 - type R mortar, category

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months. Colours: white.

**Application:** continuous-mixing rendering machine. Consumption: 16 kg/m<sup>2</sup> (per cm of thickness).

Packaging: 25 kg bags.



#### Mape-Antique Rinzaffo

Salt-resistant, breathable, lime and ECO-POZZOLAN scratch-coat mortar applied as a base layer for de-humidifying, breathable and "structural" render.



#### TECHNICAL DATA:

Maximum diameter of aggregate: 2.5 mm. Mixing ratio: 100 parts of MAPE-ANTIQUE RINZAFFO with 25-27.5 parts of water (5-5.5 I of water for each

20 kg bag of product). Porosity of the mix while still fresh: 6%.

Coefficient of permeability to water vapour:  $\leq 30 \mu$ . Workability time of fresh mortar approx. 1 hour. Maximum applicable thickness: 5 mm.

Classification: EN 998-1 - type GP mortar, category CS IV.

Storage: 12 months.

Application: continuous-mixing rendering machine

or gauging trowel.

**Consumption:** 7.5 kg/m² (for a 5 mm thick layer). **Packaging:** 20 kg bags.



#### PoroMap **Deumidificante**

Salt-resistant dehumidifying render for renovating masonry with rising damp.





#### TECHNICAL DATA:

Maximum size of aggregate: 2.5 mm. Mixing ratio: 100 parts of POROMAP DEUMIDIFICANTE with 22-24 parts of water (4.4-4.8 litres of water per 20 kg bag of product). Porosity of wet mortar: >20%.

Water vapour permeability coefficient: <10 µ. Workability time of fresh mortar: approx. 60 minutes.

Minimum applicable thickness: 20 mm.

Maximum applicable thickness per layer: 30 mm. Classification: EN 998-1 - type R mortar, class CSII. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months

Application: by trowel or with a continuous-feed

rendering machine.

Consumption: 11-12 kg/m<sup>2</sup> (per cm of thickness).

Packaging: 20 kg bags.



#### PoroMap Rinzaffo Plus NEW

Salt-resistant, breathable, scratch-coat mortar, based on hydraulic pozzolanic reaction binder, to be used as first layer to improve the bond of the render and even out the absorption of the substrate.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 2.5 mm.

Mixing ratio: 100 parts of POROMAP RINZAFFO PLUS with 19-21 parts of water (4.75-5.25 I of water for each 25 kg bag).

Coefficient of permeability to water vapour:  $< 20 \ \mu$ . Workability time of wet mortar: approx. 60 minutes. Thickness to be applied: 5 mm.

Classification: EN 998-1 - GP type mortar CS IV class. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Application: trowel or continuous feed rendering

Consumption: 7.5-8 kg/m<sup>2</sup> (per 5 mm of thickness). Packaging: 25 kg bag.





#### 13. PRODUCTS FOR THE RESTORATION OF MASONRY BUILDINGS

#### 13.6 Lime based breathable renders.



#### Mape-Antique Intonaco NHL

Breathable base render made from natural hydraulic lime and ECO-POZZOLAN, for application on existing masonry work, including those of historical interest, and on new constructions.



GP-CS II

#### TECHNICAL DATA:

Maximum diameter of aggregate: 1.4 mm.
Mixing ratio: 100 parts of MAPE-ANTIQUE INTONACO NHL with 19-21 parts of water (4.75-5.25 I of water for each 25 kg bag of product).

Porosity of the mortar while still fresh: 20%. Coefficient of permeability to water vapour:  $\leq$  12  $\mu$ . Workability time of fresh mortar: approx. 60 minutes. Minimum applicable thickness: 10 mm.

Maximum applicable thickness per layer: 30 mm. Classification: EN 998-1 - type GP mortar,

category CS II. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Application: continuous-mixing rendering machine or gauging trowel.

Consumption: approx. 14.5 kg/m<sup>2</sup> (per cm of thickness). Packaging: 25 kg bags.



#### MapeWall Intonaco Base

Breathable natural hydraulic lime-based base render for external and internal use; to be applied by trowel or with a rendering machine.



#### **TECHNICAL DATA:**

Maximum size of aggregate (EN 1015-1): 1.4 mm. Mixing ratio: 100 parts of MAPEWALL INTONACO BASE with 19-21 parts of water (4.8-5.2 litres of water per 25 kg bag of product).

Coefficient of permeability to water vapour:  $\leq 12 \mu$ . Workability time of wet mortar (EN 1015-9): approx. 60 min.

Minimum applicable thickness: 10 mm.

Maximum applicable thickness per layer: 20 mm. Classification: EN 998-1 - type GP mortar,

category CSII.

EMICODE: EC1 R Plus - very low emission.

Storage: 12 moths.

Application: with a continuous-mixing rendering machine or by trowel.

Consumption: 15 kg/dm2 (per cm of thickness). Packaging: 25 kg bags.

#### 13.7 Structural even "reinforced" renders



#### Mape-Antique Strutturale NHL

High-performance breathable mortar for render and masonry work made from natural hydraulic lime and ECO-POZZOLAN, particularly suitable for making "reinforced" and installation mortar.









#### TECHNICAL DATA:

Maximum diameter of aggregate: 2.5 mm. Mixing ratio: 100 parts of MAPE-ANTIQUE STRUTTURALE NHL with 16-17 parts of water (4-4.25 I of water for each 25 kg bag of product). Porosity of the mortar while still fresh: 7% Coefficient of permeability to water vapour: 60 µ. Workability time of fresh mortar: approx. 60 minutes. Minimum applicable thickness: 10 mm. Maximum applicable thickness per layer: 40 mm.

Classification: - EN 998-1 - type GP mortar, category CS IV;

- EN 998-2 - type G mortar, class M 15.

Storage: 12 months.

Application: continuous-mixing rendering machine or gauging trowel.

Consumption: approx. 17 kg/m<sup>2</sup> (per cm of thickness). Packaging: 25 kg bags.



#### MapeWall Render & Strengthen

High strength natural hydraulic lime-based breathable rendering and masonry mortar with very low emission of VOC for making structural render, "reinforced" structural render and installation mortar.











#### **TECHNICAL DATA:**

Maximum size of aggregate: 2.5 mm Mixing ratio: 100 parts of MAPEWALL RENDER & STRENGTHEN with 16-18 parts of water (4.0-5.0 litres of

water per 25 kg bag of product). Porosity of fresh mortar: 16%.

Water vapour permeability coefficient: 20 µ. Workability time of fresh mortar: approx. 60 mins.

Minimum applicable thickness: 10 mm. Maximum applicable thickness per layer: 30 mm. Classification:

- EN 998-1 - type GP mortar, category CS IV; - EN 998-2 - type G mortar, class M15.

Storage: 12 months.

Colour: hazel, beige and grey.

Application: by trowel or with a continuous-mixing rendering machine.

Consumption: approx. 16 kg/m² (per cm of thickness). Packaging: 25 kg bags.

#### 13.8 Skimming of de-humidifying breathable and structural mortars



#### Mape-Antique Eco Rasante Civile

Fine-textured, breathable, natural hydraulic lime skimming mortar for a natural finish on render.







#### TECHNICAL DATA:

Maximum size of aggregate: 400 µm. Mixing ratio: 100 parts of MAPE-ANTIQUE ECO RASANTE CIVILE with 22-24 parts of water (5.5-6 litres of water per 25 kg bag of product).

Workability time of fresh mortar: approx. 60 mins. Maximum applicable thickness per layer: 2 mm.
Classification: EN 998-1 - type GP mortar, category

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Application: flat metal trowel.

Consumption: 1.40 kg/m² (per mm of thickness).

Packaging: 25 kg bags.



#### Mape-Antique Eco Rasante Grosso

Coarse-textured, breathable, natural hydraulic lime skimming mortar for a coarse-textured finish on render.



#### TECHNICAL DATA:

Maximum size of aggregate: 700 µm. Mixing ratio: 100 parts of MAPE-ANTIQUE ECO RASANTE GROSSO with 22-24 parts of water (5.5-6 litres of water per 25 kg bag of product). Workability time of fresh mortar: approx. 60 mins. Maximum applicable thickness per layer: 3 mm. Classification: EN 998-1 - type GP mortar, category

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months. Application: flat metal trowel.

Consumption: 1.40 kg/m² (per mm of thickness).

Packaging: 25 kg bags.



#### Mape-Antique FC Civile

Salt-resistant, fine-grained lime and ECO-POZZOLAN breathable skimming mortar for a natural finish on render.



#### TECHNICAL DATA:

Maximum size of aggregate: 400 µm.

Mixing ratio: 100 parts of MAPE-ANTIQUE FC with 24-26 parts of water (6-6.5 I of water for each 25 kg

bag of product).

Workability time of fresh mortar: approx. 60 min. Maximum applicable thickness per layer: 2 mm. Classification: EN 998-1 - GP type mortar,

category CS IV.

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months. Colour: white or light pink. Application: flat metal trowel.

Consumption: approx. 1.4 kg/m² (per mm of

Packaging: 25 kg bags.



#### Mape-Antique FC Grosso

Salt-resistant, large-grained lime and ECO-POZZOLAN breathable skimming mortar for a rough finish on render.

#### **TECHNICAL DATA:**

Maximum size of aggregate: 700 μm.
Mixing ratio: 100 parts of MAPE-ANTIQUE FC

GROSSO with 18-20 parts of water (4.5-5 I of water for

each 25 kg bag of product).

Workability time of fresh mortar: approx. 60 min. Maximum applicable thickness per layer: 3 mm. Classification: EN 998-1 - GP type mortar,

category CS IV. **EMICODE:** EC1 R - very low emission.

Storage: 12 months.

Application: flat metal trowel.

Consumption: approx. 1.4 kg/m² (per mm of

thickness)

Packaging: 25 kg bags.







#### 13. PRODUCTS FOR THE RESTORATION OF MASONRY BUILDINGS



#### Mape-Antique FC **Ultrafine**

Salt-resistant, ultra fine-grained lime and ECO-POZZOLAN breathable skimming mortar for a smooth finish on render.



#### **TECHNICAL DATA:**

Maximum size of aggregate:  $< 100 \ \mu m$ . Mixing ratio: 100 parts of MAPE-ANTIQUE FC ULTRAFINE with 30-32 parts of water (6-6.4 I of water for each 20 kg bag of product).

Workability time of fresh mortar: approx. 60 min. Maximum applicable thickness per layer: 1 mm. Classification: EN 998-1 - GP type mortar,

category CS II.

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months. Application: flat metal trowel.

Consumption: approx. 1.3 kg/m² (per mm of

thickness).

Packaging: 20 kg bags.



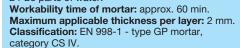
#### PoroMap Finitura

Cement-free, light-coloured fine mortar for finishing de-humidifying renders applied on stone, brick and tuff masonry.



#### TECHNICAL DATA:

Maximum diameter of aggregate: 300 µm. Mixing ratio: 100 parts of POROMAP FINITURA with 24-26 parts of water.



Storage: 12 months.

Application: smooth metal trowel.

Consumption: 1.4 kg/m<sup>2</sup> (per mm of thickness).

Packaging: 25 kg bags.



#### 13.9 Brick, stone, tuff and mixed masonries.



#### Mape-Antique Allettamento

Salt-resistant masonry mortar, made from natural hydraulic lime and ECO-POZZOLAN, for installation layers and pointing on "natural finish" masonry.



#### TECHNICAL DATA:

Maximum size of aggregate: 1.5 mm. Mixing ratio: 100 parts of MAPE-ANTIQUE ALLETTAMENTO with 18-20 parts of water (4.5-5 I of water for each 25 kg bag of product).

Porosity of the mortar while still fresh: 6%. Coefficient of permeability to water vapour: µ 15/35. Workability time of fresh mortar: approx. 60 min.

Minimum applicable thickness: 5 mm.

Maximum applicable thickness per layer: 30 mm. Classification: EN 998-2 - G type mortar, class M 5.

Storage: 12 months. Colour: available in 7 colours. Application: gauging trowel.

Consumption: 16.5 kg/m<sup>2</sup> (per cm of thickness).

Packaging: 25 kg bags.



#### Mape-Antique Strutturale NHL

High-performance breathable mortar for render and masonry work made from natural hydraulic lime and ECO-POZZOLAN, particularly suitable for making "reinforced" and installation mortar.











#### **TECHNICAL DATA:**

Maximum diameter of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPE-ANTIQUE STRUTTURALE NHL with 16-17 parts of water (4-4.25 I of water for each 25 kg bag of product). Porosity of the mortar while still fresh: 7%. Coefficient of permeability to water vapour:  $60~\mu$ . Workability time of fresh mortar: approx. 60 minutes. Minimum applicable thickness: 10 mm. Maximum applicable thickness per layer: 40 mm. Classification:

EN 998-1 - type GP mortar, category CS IV;EN 998-2 - type G mortar, class M 15.

Storage: 12 months.

Application: continuous-mixing rendering machine or gauging trowel.

**Consumption:** approx. 17 kg/m<sup>2</sup> (per cm of thickness). Packaging: 25 kg bags.



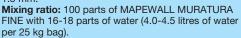
## MapeWall Muratura

High strength, breathable, natural hydraulic lime-based masonry mortar with very low emission level of VOC for general building work, reinforced masonry and patching and plumbing



#### TECHNICAL DATA:

Maximum size of aggregate (EN 1015-1) (mm): 1.5 mm.



Coefficient of permeability to water vapour: 15/35 μ.

Workability time of wet mortar (EN 1015-9): approx. 60 minutes.

Minimum applicable thickness (mm): 5 mm.

Maximum applicable thickness (mm): 30 mm. Classification: EN 998-2 - G type mortar, class M10.

Storage: 12 months. Colour: available in 7 colours. Application: gauging trowel

**Consumption:** 1.65 kg/dm<sup>3</sup> (of cavity to be filled).

Packaging: 25 kg bags.



#### MapeWall Muratura Grosso

High strength, breathable, natural hydraulic lime-based masonry mortar with very low emission of VOC for general building and "reinforced" masonry work and patching and plumbing walls



#### **TECHNICAL DATA:**

Maximum size of aggregate: 3 mm.

Mixing ratio: 100 parts of MAPEWALL MURATURA GROSSO with 15.5-17.5 parts of water (3.9-4.4 litres of water per 25 kg bag of product).

Water vapour permeability coefficient: 15/35 µ. Workability time of fresh mortar: approx. 60 mins. Minimum applicable thickness: 10 mm.

Maximum applicable thickness per layer: 40 mm. Classification: EN 998-2 - type G mortar, class M 5. Storage: 12 months.

Application: trowel.

**Consumption:** 1.70 kg/dm<sup>3</sup> (of cavities to be filled).

Packaging: 25 kg bags.



#### MapeWall Render & Strengthen

High strength natural hydraulic lime-based breathable rendering and masonry mortar with very low emission of VOC for making structural render, "reinforced" structural render and installation mortar.











#### TECHNICAL DATA:

Maximum size of aggregate: 2.5 mm
Mixing ratio: 100 parts of MAPEWALL RENDER &

STRENGTHEN with 16-18 parts of water (4.0-5.0 litres of water per 25 kg bag of product).

Porosity of fresh mortar: 16%

Water vapour permeability coefficient: 20 μ. Workability time of fresh mortar: approx. 60 mins. Minimum applicable thickness: 10 mm. Maximum applicable thickness per layer: 30 mm.

Classification: - EN 998-1 - type GP mortar, category CS IV;

EN 998-2 - type G mortar, class M15.

Storage: 12 months.

Colour: hazel, beige and grey.

Application: by trowel or with a continuous-mixing rendering machine.

Consumption: approx. 16 kg/m² (per cm of thickness). Packaging: 25 kg bags.

#### 13.10 Waterproofing and protecting construction features



#### Mape-Antique **Ecolastic**

Two-component, elastic, salt-resistant, cement-free, lime and Eco-pozzolan based coating for waterproofing and protecting construction features, including in listed buildings















- TECHNICAL DATA:
  Consistency: plastic
  Mixing ratio: comp A: comp. B = 2:1.
  Workability time of mix: approx. 1 hour (at +20°C).
  Application temperature: +5°C to +40°C.
  Classification:
   EN 14891: "Liquid-applied water impermeable products for use beneath ceramic tiling bonded with adhesives" according to principles CM, O1 and P;
   EN 15824 Specifications for external renders and internal plasters based on organic binders";
   EN 1504-2 Products and systems for the protection of concrete surfaces according to principles PI, MC and IR.
  Storage: 12 months component A, 24 months component B.
  Application: brush, roller, spreader or rendering machine with a skim-coat lance. a skim-coat lance.

- a skim-coat lance.

  Consumption:

   by roller: 1.65 kg/m² per mm of thickness;
   by spray: 2.2 kg/m² per mm of thickness.

  Packaging: 15 kg kit:
   component A: 10 kg bags;
   component B: 5 kg tanks.



REPAIRING, CONSOLIDATING AND STRENGTHENING WOODEN STRUCTURES

## 14. REPAIRING, CONSOLIDATING AND STRENGTHENING WOODEN STRUCTURES



Mapewood Gel 120

Gel epoxy adhesive for restoring wooden structural elements.

TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 4 : 1.

Workability time: 40'. Setting time: 50'

Final hardening time: 7 days.

Storage: 24 months.

Application: pouring or injection.

Consumption: 1.01 kg/dm³ (of cavities to be filled).

Packaging: 2.5 kg units (comp. A = 2 kg and

comp. B = 0.5 kg).



#### Mapewood Paste 140

Thixotropic epoxy adhesive for restoring wooden structural elements.

TECHNICAL DATA:

Mixing ratio: comp. A: comp. B = 2:1.

Workability time: 1 hour. Setting time: 4-5 hours. Final hardening time: 7 days. Storage: 24 months. Application: metal trowel.

Consumption: 1.59 kg/dm³ (of cavities to be filled).

**Packaging:** 3 kg units (comp. A = 2 kg and comp. B = 1 kg).



#### Mapewood Primer 100

Fluid epoxy impregnator in water dispersion for consolidating and priming wooden structures.

TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 1 : 1. Workability time: 30-40 minutes.

Final hardening time: 12-24 hours.

Storage: 24 months.

**Application:** roller, brush or pipe cleaner.

Consumption: approx. 150 g/m<sup>2</sup>. Packaging: 1 kg units (comp. A = 0.5 kg and

comp. B = 0.5 kg).



ADHESIVES AND SMOOTHING COMPOUNDS FOR CELLULAR CONCRETE BLOCKS

#### 15. ADHESIVES AND SMOOTHING COMPOUNDS FOR CELLULAR CONCRETE BLOCKS



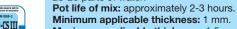
#### Porocol

Cementitious adhesive mortar for expanded block masonry.

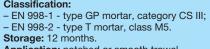


#### TECHNICAL DATA:

Maximum diameter of aggregate: 1 mm. Mixing ratio: 100 parts of POROCOL with 23-25 parts of water.



Maximum applicable thickness: 1.5 cm per layer. Classification:





Application: notched or smooth trowel.

#### Consumption:

- as adhesive for flat block walls: 5-7 kg/m²;

- as skimming layer for flat block walls: 1.4 kg/m² per mm of thickness.

Packaging: 25 kg bags.



#### Porocol FF

One-component, fine-grained, white cementitious mortar for laying cellularconcrete blocks and for smoothing over the surface in layers of up to 10 mm thick.

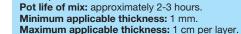
Fire resistance class according to EN 1364-1 El 240 - E 120.



GP-CS III

#### **TECHNICAL DATA:**

Maximum diameter of aggregate: 1 mm. Mixing ratio: 100 parts of POROCOL FF with 27-29 parts of water.



- Classification: - EN 998-1 - type GP mortar, category CS III; - EN 998-2 - type T mortar, class M5.

Storage: 12 months.

Application: notched or smooth trowel. Consumption:

- as adhesive for flat block walls: 2-4 kg/m<sup>2</sup>;
- as skimming layer for flat block walls: 1.2 kg/m² per mm of thickness.

Packaging: 25 kg bags.







# PRODUCTS FOR THE RESTORATION OF CONCRETE

#### 16. PRODUCTS FOR THE RESTORATION OF CONCRETE

#### 16.1 Protection of steel reinforcement rods



#### Mapefer

Two-component, anti-corrosion cementitious mortar for steel reinforcement rods.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 0.5 mm. Mixing ratio: comp. A : comp. B = 3 : 1.

Pot life of mix: approximately 1 hour (at +20°C). Minimum applicable thickness: 2 mm.

Waiting time between each coat: approximately

2 hours Waiting time before applying mortar: 6-24 hours. Classification: EN 1504-7.

Storage: 12 months. Application: brush in two coats.

Consumption: 120 g/m for 8 mm diameter rebar

(2 mm of product applied). Packaging: 2 kg kits: - 1.5 kg sachets (comp. A); - 0.5 kg bottles (comp. B).



#### Mapefer 1K

One-component, anti-corrosion cementitious mortar for steel reinforcement rods.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 0.5 mm. Mixing ratio: 100 parts of MAPEFER 1K with 20-22 parts of water.

Pot life of mix: approximately 1 hour (at +20°C). Minimum applicable thickness: 2 mm.

Waiting time between each coat: approximately 2 hours.

Waiting time before applying mortar: 6-24 hours. Classification: EN 1504-7.

Storage: 12 months.

Application: brush in two coats.

Consumption: 100 g/m for 8 mm diameter rebar

(2 mm of product applied).

Packaging: boxes of 4x5 kg sachets.



## Mapeshield E 25

Adhesive zinc plates applied directly on the surface of structures for galvanic cathodic protection against the corrosion of steel reinforcement rods.



Thickness of plate: 0.25 mm.

Height: 25 cm.

**Weight:**  $3.15 \text{ kg/m}^2 \pm 5\%$ . Storage: 12 months.

Application: external surfaces of concrete. Consumption: according to the density of steel

reinforcement.

Packaging: wooden boxes with 1 25 m x 25 cm

wide rolls.



#### Mapeshield I

Pure zinc anodes coated with a special conductive paste, for galvanic cathodic protection against corrosion of steel reinforcement in new structures and in structures requiring repair.

TECHNICAL DATA:

Mapeshield I 10 10/10 10/20

100 x 50 mm ± 10% 100 x 50 mm ± 10% External surface: 12 mm ± 10% 230 g ± 10% 15 mm ± 10% 320 g ± 10% Height: Weight:

Storage: Application: 12 months.

directly on steel reinforcement.

according to the density of steel reinforcement. Consumption:

boxes of 24 pieces.

Packaging: Mapeshield I 30 30/10 30/20 300 x 50 mm ± 5% 300 x 50 mm ± 5% External surface: Height: 12 mm ± 10%

10 mm ± 10% 450 g ± 10% Weight: Storage: 12 months.

Application: directly on steel reinforcement.

Consumption: according to the density of steel reinforcement.

570 g ± 10%

Packaging: boxes of 12 pieces.

#### 16.2 Repairs to concrete with compensated-shrinkage mortar and binders



#### Gravel 0-8

Aggregate with an assorted grain size for cementitious mortar, particularly suitable as a "filler" for STABILCEM.



#### TECHNICAL DATA:

Size of aggregate: assorted grain size from 0 to 8 mm.

Application: added as an aggregate. Packaging: 20 kg bags.



#### Gravel 0-15

Aggregate with an assorted grain size for cementitious mortar, particularly suitable as a "filler" for STABILCEM.



#### TECHNICAL DATA:

Size of aggregate: assorted grain size from

0 to 15 mm.

Application: added as an aggregate.

Packaging: 25 kg bags.



#### Gravel 3-5

Aggregate with an assorted grain size mixed with repair mortar from the MAPEGROUT range.



#### TECHNICAL DATA:

**Size of aggregate:** assorted grain size from 3 to 5 mm.

Application: added as an aggregate.

Packaging: 25 kg bags.



#### Gravel 6-10

Aggregate with an assorted grain size mixed with repair mortar from the MAPEGROUT HI-FLOW and MAPEGROUT SV ranges or with expansive mortar, such as MAPEFILL.



#### TECHNICAL DATA:

Size of aggregate: assorted grain size from

6 to 10 mm.

Application: added as an aggregate.

Packaging: 25 kg bags.





#### Mapecure SRA

Curing admixture for cementitious mortar and concrete to reduce hydraulic shrinkage and the formation of micro-cracks.

## **TECHNICAL DATA:**

Consistency: liquid. Storage: 12 months. Consumption:

- mortar: 0.25% by weight of pre-blended mix;
- concrete and beton: 5-8 l/m<sup>3</sup>.

Packaging: 20 kg tanks.



#### Mapefill MF 610

Expansive mortar for precision anchoring in thick layers.



#### **TECHNICAL DATA:**

Maximum size of aggregate: ≤ 10 mm.

Mixing ratio: 100 parts of MAPEFILL MF 610 with 9.5-10.5 parts of water and 0.16-0.32% of MAPECURE SRA.

Pot life of mix: approx. 2 hours (at +20°C). Minimum applicable thickness: 5 cm. Maximum applicable thickness: 10 cm. Classification:

- EN 1504-3 class R4 structural mortar;
- EN 1504-6.

Storage: 12 months. Application: pouring.

Consumption: approx. 21 kg/m² per cm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags and 1,000 kg big-bags.





#### Mapegrout 430

Fine-grained, fibre-reinforced, normalsetting thixotropic mortar for repairing concrete.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 1 mm. Mixing ratio: 100 parts of MAPEGROUT 430 with 17.5-18.5 parts of water.

Pot life of mix: approximately 1 hour (at +20°C).

Minimum applicable thickness: 5 mm.

Maximum applicable thickness: 3.5 cm per layer. Classification: EN 1504-3 - class R3 structural mortar.

Storage: 12 months.

Application: trowel, gauging trowel or rendering machine, including the continuous-mixing type. Consumption: 17 kg/m<sup>2</sup> per cm of thickness.

Packaging: 25 kg vacuum-packed polyethylene bags.



#### Mapegrout Anchor & Repair NEW

Fibre-reinforced, compensatedshrinkage, mortar for repairing concrete and anchoring metal structures.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPEGROUT ANCHOR & REPAIR with 13-14.5 parts of water and 0.25% of

MAPECURE SRA.

Pot life of mix: approx. 1 h. Minimum thickness: 1 cm.

Maximum thickness: approx. 5 cm.

Classification: EN 1504-3 3 (R4 class structural

mortar), EN 1504-6. Storage: 12 months.

Colour: grey.

**Application:** pouring into formworks.

Consumption: approx. 21 kg/m<sup>2</sup> per cm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags.









#### Mapegrout Betontech HPC

Free-flowing, shrinkage compensated cementitious grout with added polymer fibre reinforcement with a work-hardening effect for restoring concrete requiring a high level of ductility.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 6 mm.

Mixing ratio: 100 parts of MAPEGROUT BETONTECH HPC with 11.5-12.5 parts of water and 0.25% of MAPECURE SRA.

Pot life of mix: approx. 1 hour (at +20°C). Minimum applicable thickness: 3 cm. Maximum applicable thickness: 10 cm.

Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months.

**Application:** pouring into formwork.

Consumption: approx. 20.5 kg/m² per cm of

thickness.

Packaging: 25 kg vacuum-packed polyethylene bags

and 1,000 kg big-bags.



#### Mapegrout Betontech HPC10

Rheoplastic cementitious mortar with added structural fibre reinforcement with a work-hardening effect for restoring concrete requiring a high level of ductility.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 10 mm.

Mixing ratio: 100 parts of MAPEGROUT BETONTECH HPC10 with 9.5-10.0 parts of water.

Pot life of mix: approx. 1 hour (at +20°C). Minimum applicable thickness: 5 cm. Maximum applicable thickness: 30 cm.

Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months.

Application: pouring into formwork.

**Consumption:** approx. 21 kg/m² per cm of thickness. **Packaging:** 25 kg vacuum-packed polyethylene bags

and 1,000 kg big-bags.



#### Mapegrout BM

Two-component cementitious mortar with a low modulus of elasticity for repairing concrete.



# IN COOPULACE WITH BURDHAN STANDARD EN 1504-3 R4

#### TECHNICAL DATA:

Maximum dimension of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPEGROUT BM comp. A with 18.8 parts of MAPEGROUT BM comp. B.

Pot life of mix: approximately 1 hour (at +20°C).

Minimum applicable thickness: 1 cm.

Maximum applicable thickness: 3.5 cm per layer. Classification: EN 1504-3 - class R4 structural mortar. Storage: 12 months (comp. A); 24 months (comp. B). Application: trowel, gauging trowel or rendering machine. Consumption: approximately 21 kg/m² per cm of

Packaging: 29.7 kg kits:

- 25 kg vacuum-packed polyethylene bags (comp. A);
- 4.7 kg tanks (comp. B).



#### Mapegrout Fast-Set

Fibre-reinforced, quick setting and hardening, compensated-shrinkage mortar for repairing concrete.







#### TECHNICAL DATA:

Maximum dimension of aggregate: 1 mm.

Mixing ratio: 100 parts of MAPEGROUT FAST-SET with 15-16 parts of water.

Pot life of mix: approximately 10 minutes (at +20°C). Minimum applicable thickness: 5 mm. Maximum applicable thickness: 2-2.5 cm per layer.

**Maximum applicable thickness:** 2-2.5 cm per layer. **Classification:** EN 1504-3 - class R3 structural mortar.

Storage: 12 months.

**Application:** trowel or gauging trowel. **Consumption:** 18 kg/m² per cm of thickness.

Packaging: 25 kg vacuum-packed polyethylene bags.



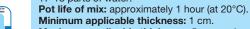
#### Mapegrout FMR

Two-component, shrinkagecompensated, sulphate-resistant, thixotropic mortar fibre-reinforced with flexible, alloy metal fibres, particularly suitable for repairing concrete structures where higher ductility is required.



#### TECHNICAL DATA:

Maximum dimension of aggregate: 2.5 mm. Mixing ratio: 100 parts of MAPEGROUT FMR with 17-18 parts of water.



Maximum applicable thickness: 5 cm per layer.

Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months.

Application: gauging trowel, trowel or rendering

machine

Consumption: 19 kg/m<sup>2</sup> per cm of thickness.

Packaging: 25 kg vacuum-packed polyethylene bags.



#### Mapegrout FMR-PP

Shrinkage-compensated, sulphateresistant thixotropic mortar with workhardening behaviour reinforced with structural polymer fibres, particularly suitable for repairing concrete structures where high ductility is required.



#### TECHNICAL DATA:

Maximum size of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPEGROUT FMR-PP with 16-18 parts of water.

Pot life of mix: approx. 1 hour (at +20°C). Minimum applicable thickness: 1 cm.

Maximum applicable thickness: 5 cm per layer. Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months.

Application: spreader, flat trowel or rendering machine.

Consumption: 18 kg/m<sup>2</sup> per cm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags.



#### Mapegrout GF **Betoncino B1**

Free-flowing, compensated-shrinkage cementitious mortar reinforced with inorganic fibres for repairing concrete structures where higher ductility is required.



#### TECHNICAL DATA:

Maximum size of aggregate: ≤ 10 mm. Mixing ratio: 100 parts of MAPEGROUT GF BETONCINO B1 with 10.5-12 parts of water and 0.16-0.32% of MAPECURE SRA.

Pot life of mix: approx. 1 hour (at +20°C). Minimum applicable thickness: 5 cm. Maximum applicable thickness: 10 cm.

Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months.

Application: pouring into formwork.

Consumption: approx. 21 kg/m² per cm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags

and 1,000 kg big-bags.



#### Mapegrout Hi-Flow

Fibre-reinforced, controlled-shrinkage mortar for repairing concrete.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPEGROUT HI-FLOW with 13-14 parts of water and 0.25% of MAPECURE SRA.

Pot life of mix: approximately 1 hour (at +20°C). Minimum applicable thickness: 1 cm.

Maximum applicable thickness: 4 cm per layer. Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months

Application: pouring into formwork.

Consumption: approximately 21 kg/m² per cm of thickness

Packaging: 25 kg vacuum-packed polyethylene bags.





#### Mapegrout Hi-Flow B2

Shrinkage-compensated, free-flowing, fibre-reinforced cementitious mortar for repairs to concrete structures.



#### **TECHNICAL DATA:**

Maximum size of aggregate:  $\leq 10$  mm.

Mixing ratio: 100 parts of MAPEGROUT HI-FLOW B2 with 10-11 parts of water and 0.16-0.32% of

MAPECURE SRA.

Pot life of mix: approx. 1 hour (at +20°C). Minimum applicable thickness: 5 cm. Maximum applicable thickness: 10 cm.

Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months.

Application: pouring into formwork.

Consumption: approx. 21 kg/m² per cm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags

and 1,000 kg big-bags.



#### Mapegrout Hi-Flow GF

Hi-flow, shrinkage-compensated cementitious mortar reinforced with inorganic fibres, for repairing concrete structures where higher ductility is required.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPEGROUT HI-FLOW GF with 14-16 parts of water and 0.25% of

MAPECURE SRA.

Pot life of mix: approximately 1 hour (at +20°C). Minimum applicable thickness: 1 cm. Maximum applicable thickness: 5 cm per layer. Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months.

Application: pouring into formwork.

Consumption: approximately 21 kg/m² per cm of

thickness.

Packaging: 25 kg vacuum-packed polyethylene bags.



#### Mapegrout Hi-Flow TI 20

Flowable shrinkage-compensated, fibre-reinforced, high-ductility cementitious mortar, with stiff steel fibres for repairing concrete.



# IN COMPLIANCE WITH EUROPEAN STANDARD EN 1504-3 R4 MARII SEPALE MORELEA



#### TECHNICAL DATA:

Maximum dimension of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPEGROUT

HI-FLOW TI 20 with 14-16 parts of water and 0.25% of MAPECURE SRA.

Pot life of mix: approximately 1 hour (at 20°C). Minimum applicable thickness: 1 cm.

Maximum applicable thickness: 5 cm per layer. Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months.

Application: pouring into formwork.

**Consumption:** approximately 20 kg/m² per cm of

Packaging: 25 kg vacuum-packed polyethylene bags.



#### Mapegrout LM2K

Two-component, thixotropic, fibrereinforced, cementitious mortar with a low modulus of elasticity and added organic corrosion inhibitor for repairing concrete, applied in a single layer at a thickness of 3 to 20 mm.



#### Mixing A with 2

Maximum dimension of aggregate: 1.6 mm.

Mixing ratio: 100 parts of MAPEGROUT LM2K comp. A with 21 parts of MAPEGROUT LM2K comp. B.

Pot life of mix: approximately 1 hour (at +20°C).

Minimum applicable thickness: 3 mm.

Maximum applicable thickness: 2 cm per layer.

Classification: EN 1504-3 - class R3 structural mortar.

Storage: 12 months (comp. A); 24 months (comp. B).

Application: gauging trowel, trowel or rendering

machine. **Consumption:** approximately 21 kg/m² per cm of thickness.

#### Packaging:

**TECHNICAL DATA:** 

30.25 kg kits:

- 25 kg vacuum-packed polyethylene bags (comp. A);
- 5.25 kg tanks (comp. B).

#### 16. PRODUCTS FOR THE RESTORATION OF CONCRETE



#### Mapegrout SV

Quick-setting and hardening, compensated-shrinkage hi-flow mortar for repairing concrete and fixing drains, manholes and urban architectural fittings in place.



#### TECHNICAL DATA:

Maximum dimension of aggregate: 2.5 mm. Mixing ratio: 100 parts of MAPEGROUT SV with

12-13 parts of water.

Pot life of mix: 15 minutes (at +20°C). Minimum applicable thickness: 1 cm.

Maximum applicable thickness: 5 cm per layer.

Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months. Colour: grey and black.

Application: pouring into formwork.

**Consumption:** 20 kg/m² per cm of thickness.

Packaging: 25 kg vacuum-packed polyethylene bags.



#### Mapegrout SV Fiber

Hi-flow, compensated-shrinkage, quick-setting and hardening, highductility cementitious mortar applied at temperatures down to -5°C, used in combination with stiff steel fibres for repairing concrete.



#### TECHNICAL DATA:

Maximum dimension of aggregate: 2.5 mm. Mixing ratio: 100 parts of MAPEGROUT SV FIBER with 13.5-14.5 parts of water.

Pot life of mix: approximately 20 minutes (at +20°C). Minimum applicable thickness: 1 cm.

Maximum applicable thickness: 5 cm per layer. Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months.

Application: pouring into formwork.

Consumption: approximately 20 kg/m² per cm of

Packaging: 25 kg vacuum-packed polyethylene bags.



#### Mapegrout SV T

Quick-setting and hardening, compensated-shrinkage thixotropic mortar for repairing concrete and fixing drains, manholes and urban fittings in place.



#### TECHNICAL DATA:

Maximum dimension of aggregate: 2.5 mm. Mixing ratio: 100 parts of MAPEGROUT SV T with 12.5-13.5 parts of water.

Pot life of mix: 10 minutes (at +20°C). Minimum applicable thickness: 1 cm.

Maximum applicable thickness: 5 cm per layer. Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months. Colour: black.

Application: gauging trowel or trowel.

Consumption: 20 kg/m² per cm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags.





## Mapegrout T40

Medium-strength (40 MPa), compensated-shrinkage fibre-reinforced thixotropic mortar for repairing concrete.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPEGROUT T40 with 15.5-16.5 parts of water.

Pot life of mix: approximately 1 hour (at +20°C).

Minimum applicable thickness: 1 cm

Maximum applicable thickness: 3-3.5 cm per layer. Classification: EN 1504-3 - class R3 structural mortar.

Storage: 12 months

Application: gauging trowel, trowel or rendering

machine

Consumption: approximately 18.5 kg/m<sup>2</sup> per cm of thickness

Packaging: 25 kg vacuum-packed polyethylene bags.







## Mapegrout T60

Fibre-reinforced, sulphate-resistant thixotropic mortar for repairing concrete.



#### TECHNICAL DATA:

Maximum dimension of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPEGROUT T60 with 16.5-17.5 parts of water and 0.25% of MAPECURE SRA.

Pot life of mix: approximately 1 hour (at +20°C). Minimum applicable thickness: 1 cm.

Maximum applicable thickness: 4 cm per layer on

vertical surfaces and 2 cm per layer on ceilings. Classification: EN 1504-3 - class R4 structural mortar.

Storage: 12 months.

Application: gauging trowel, trowel or rendering

machine.

Consumption: 18.5 kg/m<sup>2</sup> per cm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags.



## Mapegrout Thixotropic

Fibre-reinforced, compensatedshrinkage mortar for repairing concrete.



#### TECHNICAL DATA:

Maximum dimension of aggregate: 2.5 mm. Mixing ratio: 100 parts of MAPEGROUT THIXOTROPIC with 15.5-16.5 parts of water. Pot life of mix: approximately 1 hour (at +20°C).

Minimum applicable thickness: 1 cm. Maximum applicable thickness: 5 cm per layer.

Classification: EN 1504-3 - class R4 structural mortar. Storage: 12 months.

Application: gauging trowel, trowel or rendering

machine.

Consumption: 19 kg/m<sup>2</sup> per cm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags.



## Mapetard ES

Set-retarding admixture for rapid-setting cementitious mortar.



#### **TECHNICAL DATA:**

Consistency: liquid. Storage: 12 months.

**Consumption:** one 0.25 kg bottle per 25 kg bag of PLANITOP SMOOTH & REPAIR or PLANITOP SMOOTH & REPAIR R4. Packaging: boxes of 25 0.25 kg canisters.



## Planitop 400

Quick-setting, controlled-shrinkage thixotropic mortar for repairing the surface of concrete, may be applied in various thicknesses from 1 to 40 mm in a single layer.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 0.5 mm. Mixing ratio: 100 parts of PLANITOP 400 with 15-16 parts of water.

Pot life of mix: approximately 10 minutes (at +20°C). Minimum applicable thickness: 1 mm. Maximum applicable thickness: 4 cm per layer.

Classification: EN 1504-3 - class R3 structural mortar.

Storage: 12 months.

Application: trowel or gauging trowel.

Consumption: 18.5 kg/m² per cm of thickness.

Packaging: 25 kg bags; 20 kg boxes (4x5 kg packets).



## 16. PRODUCTS FOR THE RESTORATION OF CONCRETE



## Planitop Smooth & Repair

R2-class, rapid-setting shrinkagecompensated, thixotropic, fibrereinforced, cementitious mortar for repairing and smoothing concrete, to be applied in a single layer from 3 mm to 40 mm.











#### TECHNICAL DATA:

Maximum dimension of aggregate: 0.4 mm.
Mixing ratio: 100 parts of PLANITOP SMOOTH & REPAIR with 17-19 parts of water.

with 17-19 parts of water.

Pot life of mix: approx. 15 mins. at a temperature between +10°C and +25°C. The pot life of the mix may be extended by futher 15-20 mins. by adding the set retarding admixture MAPETARD ES (one 0.25 kg bottle per 25 kg bag of PLANITOP SMOOTH & REPAIR).

Minimum applicable thickness: 3 mm.

Maximum applicable thickness: 4 cm per layer. Classification:

- EN 1504-3 - class R2 non-structural mortar. - EN 1504-2 - coating (C) principles MC and IR. EMICODE: EC1 R Plus - very low emission.

Storage: 12 months.

Application: gauging trowel or trowel.

Consumption: approximately 15 kg/m² per cm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags and 20 kg boxes (4x5 kg packets).



## **Planitop** Smooth & Repair R4

Rapid-setting shrinkage-compensated thixotropic fibre-reinforced class R4 structural cementitious mortar applied in a single layer from 3 to 40 mm thick for repairing and smoothing concrete.













#### **TECHNICAL DATA:**

Maximum size of aggregate: 0.4 mm.

Mixing ratio: 100 parts of PLANITOP SMOOTH & REPAIR R4 with 16.5-17.5 parts of water.

Pot life of mix: approx. 15 mins. at +10°C to +25°C. The pot life of the mix may be extended by 15-20 mins. by adding the set retarding admixture MAPETARD ES (one 0.25 kg bottle per 25 kg bag of

PLANITOP SMOOTH & REPAIR R4). Minimum applicable thickness: 3 mm.

Maximum applicable thickness: 4 cm per layer. Classification: EN 1504-3 - class R4 structural mortar:

EN 1504-2 - coating (C) principles MC and IR. **EMICODE:** EC1 R Plus - very low emission.

Storage: 12 months.

Application: gauging trowel or trowel.

Consumption: approx. 17 kg/m² per cm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags.



## Stabilcem

Expansive, super-fluid cementitious binder for mixing injection slurry, mortar and concrete.

## **TECHNICAL DATA:**

Mixing ratio:

- injection slurry: 100 parts of STABILCEM with 32 parts of water;
- mortar, beton and concrete: according to the consistency and performance required from the aggregate.

Storage: 12 months.

Application: injection and pouring into formwork.

Consumption:

- injection slurry: 1.6 kg/l of cavities to be filled;
- mortar and beton: 350-550 kg/m<sup>3</sup>;
- concrete: 400 kg/m<sup>3</sup>.

Packaging: 20 kg vacuum-packed polyethylene bags.



WATER-REPELLENT PRODUCTS FOR THE PROTECTION OF CONCRETE

## 17. WATER-REPELLENT PRODUCTS FOR THE PROTECTION OF CONCRETE



## Planiseal WR 40

Ready-mixed 40% silane-based, hydrophobising, migrating liquid in water emulsion applied to the surface of reinforced concrete structures.



PI-MC-IR

#### TECHNICAL DATA:

Dilution rate: ready-mix.

Colour: white.
Consistency: liquid.
Dry solid content: 40%.

Penetration depth: class I (< 10 mm).

Classification: EN 1504-2 - coating (C) principles PI,

MC and IR.

Storage: 12 months.

Application: low-pressure airless spray or roller. Consumption: approx. 0.1-0.2 kg/m² per coat depending on the porosity of the substrate.

Packaging: 5 kg tanks.



## Planiseal WR 85 Gel NEW

Ready-mixed, hydrophobising, protective, migrating, silane-based, thixotropic gel applied on the surface of reinforced concrete structures.



PI-MC-IR

#### TECHNICAL DATA:

Dilution rate: ready to use.

Colour: transparent. Consistency: gel.

Dry solid content: 98%.

Penetration depth: Class II > 10 mm. Classification: EN 1504-2 according to PI, MC and IR

principles

Storage: 12 months.

Application: high-pressure airless spray or roller.

Consumption: 0.3-0.5 kg/m<sup>2</sup>. Packaging: 5 kg drums.



## Planiseal WR 100

Ready-mixed pure silane-based, hydrophobising, protective, migrating liquid applied to the surface of reinforced concrete structures



#### **TECHNICAL DATA:**

Dilution rate: ready-mix.

Colour: transparent. Consistency: liquid. Dry solid content: 98%.

Penetration depth: class I (< 10 mm).

Classification: EN 1504-2 - coating (C) principles PI,

MC and IR.

Storage: 24 months.

Application: low-pressure airless spray or roller. Consumption: approx. 0.1-0.2 kg/m² per coat depending on the porosity of the substrate.

Packaging: 5 kg tanks.





# RENDERING AND INSTALLATION MORTARS



## Intomap Allettamento

Hydrated lime and cement-based masonry mortar for pointing and laying bricks and concrete blocks.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 1.4 mm. Mixing ratio: 100 parts of INTOMAP ALLETTAMENTO

with 17-19 parts of water.

Pot life of mix: approximately 1 hour (at +20°C). Minimum applicable thickness: 1 cm.

Maximum applicable thickness: 3 cm. Classification: EN 998-2 - type G mortar, class M5.

Storage: 12 months. Application: trowel.

Consumption: approximately 18 kg/m² per cm of

thickness

Packaging: 25 kg bags.



## Intomap Allettamento H 🔤

Hydrophobic hydrated lime and cementbased masonry mortar for installing and pointing bricks and concrete blocks.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 2.5 mm.

Mixing ratio: 100 parts of INTOMAP ALLETTAMENTO

H with 17-18.5 parts of water.

Pot life of mix: approx. 1 h (at +20°C). Minimum thickness: 1 cm.

Maximum thickness: 3 cm.

Classification: EN 998-1 - G type mortar M10 class.

Storage: 12 months. Application: trowel.

Consumption: approx. 17.5 kg/m<sup>2</sup> per cm of

thickness

Packaging: 25 kg bag.



## Intomap Maxi Fibro NEW

Coarse-textured, fibre-reinforced lime and hydraulic binder-based base render, for internal and external use.



#### TECHNICAL DATA:

Maximum size of aggregate: 2.5 mm.

Mixing ratio: 100 parts of INTOMAP MAXI FIBRO with

18-20 parts of water.

Pot life of mix: approx. 1 h (at +20°C).

Minimum thickness: 1 cm.

Maximum thickness: 4 cm (localised).

Classification: EN 998-1 - GP type mortar CS II

Storage: 12 months.

Application: trowel or continuous feed rendering

machine.

Consumption: approx. 14.5 kg/m<sup>2</sup> per cm of

Packaging: 25 kg bag.



## Intomap R2

Fibre-reinforced, base render made from lime and hydraulic binder for internal and external use.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 1.4 mm.

Mixing ratio: 100 parts of INTOMAP R2 FIBRO with

Pot life of mix: approximately 1 hour (at +20°C).

Minimum applicable thickness: 1 cm.

Maximum applicable thickness: 3 cm.

Classification: EN 998-1 - type GP mortar, category

Storage: 12 months.

Application: continuous-mixing rendering machine or

gauging trowel.

Consumption: 14 kg/m² per cm of thickness.

Packaging: 25 kg bags.





**Intomap R2 Fibro**Base render made from lime and hydraulic binder for internal and external



TECHNICAL DATA:
Maximum dimension of aggregate: 1.4 mm.
Mixing ratio: 100 parts of INTOMAP R2 with 19-21
parts of water.
Pot life of mix: approximately 1 hour (at +20°C)..
Minimum applicable thickness: 1 cm.
Maximum applicable thickness: 3 cm.
Classification: EN 998-1 - type GP mortar, category CS II.
Storage: 12 months.
Application: continuous-mixing rendering machine or gauging trowel.
Consumption: 14 kg/m² per cm of thickness.
Packaging: 25 kg bags.



SMOOTHING AND PROTECTIVE PRODUCTS FOR CONCRETE AND RENDER SURFACES

## 19. SMOOTHING AND PROTECTIVE PRODUCTS FOR CONCRETE AND RENDER SURFACES



## Mapefinish

Two-component cementitious mortar for finishing concrete.



MC-IR

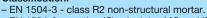
#### TECHNICAL DATA:

Maximum dimension of aggregate: 0.4 mm.

Mixing ratio: 4 parts of MAPEFINISH comp. A with 1 part of MAPEFINISH comp. B.

Pot life of mix: approximately 1 hour (at +20°C). Minimum applicable thickness: 1 mm.

Maximum applicable thickness: 2-3 mm per layer. Classification:



- EN 1504-2 - coating (C) principles MC and IR.

Storage: 12 months (comp. A); 24 months (comp. B). Application: trowel.

Consumption: 1.8 kg/m<sup>2</sup> per mm of thickness. Packaging:



- 30 kg kits: - 24 kg bags (comp. A);
- 6 kg tanks (comp. B).





## Mapelastic Guard

Two-component, elastic cementitious mortar for protecting large concrete structures subjected to high stress.



#### TECHNICAL DATA:

**Mixing ratio:** 3 parts of MAPELASTIC GUARD comp. A with 1 part of MAPELASTIC GUARD comp. B. Pot life of mix: approximately 1 h (at +20°C).

Minimum applicable thickness: 2 mm per layer.

Classification: EN 1504-2 - coating (C) principles PI, MC and IR.

Storage: 12 months (comp. A); 24 months (comp. B). Application: trowel or by spray with a rendering machine.

#### Consumption:

- approximately 1.7 kg/m<sup>2</sup> per mm of thickness (by trowel).
- approximately 2.2 kg/m<sup>2</sup> per mm of thickness (by spray).

#### Packaging:

- 32 kg kits: 24 kg bags (comp. A); 8 kg tanks (comp. B).



## Monofinish

One-component, normal-setting cementitious mortar for smoothing concrete and cementitious render.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 0.4 mm. Mixing ratio: 100 parts of MONOFINISH with 18-19 parts of water.

Pot life of mix: approximately 1 hour (at +20°C). Minimum applicable thickness: 1 mm.

Maximum applicable thickness: 2-3 mm per layer. Classification:

- EN 1504-3 class R2 non-structural mortar.
- EN 1504-2 coating (C) principles MC and IR.

Storage: 12 months. Application: trowel.

Consumption: 1.4 kg/m<sup>2</sup> per mm of thickness.

Packaging: 22 kg bags.



## Nivoplan

Smoothing mortar for indoor and outdoor walls and ceilings.



#### **TECHNICAL DATA:**

Mixing ratio: 100 parts of NIVOPLAN with 25 parts

of water.

Pot life of mix: 2-3 hours (at +23°C). Minimum applicable thickness: 2 mm.

Maximum applicable thickness: 3 cm per layer.

Classification: EN 998-1 - type GP mortar, category

CS IV. Storage: 12 months.

Colour: grey and white.

Application: trowel or gauging trowel. Consumption: 14 kg/m² per cm of thickness.

Packaging: 25 kg bags.









## Planitop 100

Quick-setting, light-grey coloured fine mortar for repairing and smoothing concrete and render.



Maximum dimension of aggregate: 0.2 mm. Mixing ratio: 100 parts of PLANITOP 100 with 26-27 parts of water

Pot life of mix: 20-30 minutes (at +20°C). Minimum applicable thickness: 1 mm.

Maximum applicable thickness: 3 mm per layer. Classification: EN 1504-2 - coating (C) principles

MC and IR. Storage: 12 months. Application: trowel.

TECHNICAL DATA:

Consumption: 1.3 kg/m² per mm of thickness.

Packaging: 25 kg bags.



## Planitop 200

Water-repellent cementitious skimming mortar with a fine-textured, natural finish for concrete and plastic, glass and porcelain coverings.



MC-IR

#### **TECHNICAL DATA:**

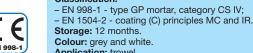
Maximum dimension of aggregate: 0.4 mm.

Mixing ratio: 100 parts of PLANITOP 200 with 20-23 parts

Pot life of mix: approximately 1 hour and 30 minutes (at +20°C)

Minimum applicable thickness: 1 mm.

Maximum applicable thickness: 3 mm per layer (6 mm in 2 layers with MAPENET 150 sandwiched between). Classification:



Colour: grey and white.

Consumption: approximately 1.3 kg/m<sup>2</sup> per mm of

thickness

Packaging: 25 kg bags.



## Planitop 207

Water-repellent cementitious skimming mortar with a medium-textured, natural finish for concrete and plastic, glass and porcelain coverings.



#### TECHNICAL DATA:

Maximum dimension of aggregate: 0.7 mm. Mixing ratio: 100 parts of PLANITOP 207 with

17-19 parts of water.

Pot life of mix: approximately 1 hour (at +20°C). Minimum applicable thickness: 1 mm.

Maximum applicable thickness: 3 mm per layer (6 mm in 2 layers with MAPENET 150 sandwiched



#### Classification:

EN 998-1 - type GP mortar, category CS IV;
EN 1504-2 - coating (C) principles MC and IR.

Storage: 12 months Colour: grey and white. Application: trowel.

Consumption: approximately 1.5 kg/m<sup>2</sup> per mm of

Packaging: 25 kg bags.



## Planitop 210

Water-repellent, cementitious skimming mortar with a fine-textured, natural finish for concrete and plastic coatings.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 0.4 mm.

Mixing ratio: 100 parts of PLANITOP 210 with 21-24 parts of water.

Pot life of mix: approximately 1 h (at +20°C). Minimum applicable thickness: 1 mm. Maximum applicable thickness: 3 mm (6 mm in

2 layers with MAPENET 150 embedded between the layers).

#### Classification:

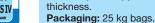
- EN 998-1 - GP type mortar, category CS IV;

- EN 1504-2 - coating (C) principles MC and IR. Storage: 12 months

Colours: grey and white. Application: trowel.

Consumption: approximately 1.3 kg/m² per mm of







## 19. SMOOTHING AND PROTECTIVE PRODUCTS FOR CONCRETE AND RENDER SURFACES



## Planitop 217

Water-repellent cementitious skimming mortar with a coarse-textured, natural finish for concrete and plastic coatings.



MC-IR

#### TECHNICAL DATA:

Maximum size of aggregate: 1 mm.

Mixing ratio: 100 parts of PLANITOP 217 with

19-22 parts of water.

Pot life of mix: approximately 1 h (at +20°C). Minimum applicable thickness: 1 mm. Maximum applicable thickness: 3 mm (6 mm in

2 layers with MAPENET 150 embedded between the layers).

Classification:

EN 998-1 - GP type mortar, category CS IV;
EN 1504-2 - coating (C) principles MC and IR.

Storage: 12 months. Colours: grey and white.

Application: trowel. Consumption: approximately 1.3 kg/m<sup>2</sup> per mm of

thickness

Packaging: 25 kg bags.



## Planitop 510

Lime-cement skimming mortar with a fine-textured, natural finish for render.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 0.4 mm. Mixing ratio: 100 parts of PLANITOP 510 with

28-31 parts of water.

Pot life of mix: approximately 1 h (at +20°C). Minimum applicable thickness: 1 mm. Maximum applicable thickness: 3 mm.

Classification: EN 998-1 - type GP mortar, category

CS II.

Storage: 12 months. Colours: grey and white. Application: trowel.

Consumption: approximately 1.3 kg/m<sup>2</sup> per mm of

thickness

Packaging: 25 kg bags.



## Planitop 517

Lime-cement skimming mortar with a coarse-textured, natural finish for render.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 1 mm.

Mixing ratio: 100 parts of PLANITOP 517 with

20-22 parts of water.

Pot life of mix: approximately 1 h (at +20°C). Minimum applicable thickness: 1 mm. Maximum applicable thickness: 3 mm.

Classification: EN 998-1 - type GP mortar, category

Storage: 12 months. Colours: grey and white. Application: trowel.

Consumption: approximately 1.3 kg/m<sup>2</sup> per mm of

Packaging: 25 kg bags.



## Planitop 525

Natural-finish, white-coloured lime and cement smoothing compound for "fresh" or "hardened" internal and external render, applied in layers up to 3 mm thick.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 0,4 mm.

Mixing ratio: 100 parts of PLANITOP 525 with

28-30 parts of water.

Pot life of mix: approximately 2 hours (at +20°C). Minimum applicable thickness: 1 mm. Maximum applicable thickness: 3 mm.

Classification: EN 998-1 - type GP mortar, category CS II.

Storage: 12 months. Colour: white. Application: trowel.

Consumption: approximately 1.3 kg/m<sup>2</sup> per mm

of thickness

Packaging: 25 kg bags.





## Planitop 530

Lime-cement skimming mortar with a fine-textured, natural finish for render and concrete.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 0.4 mm. Mixing ratio: 100 parts of PLANITOP 530 with 24-27 parts of water.

Pot life of mix: approximately 1 hour (at +20°C). Minimum applicable thickness: 1 mm.

Maximum applicable thickness: 3 mm per layer. Classification:

- EN 998-1 - type GP mortar, category CS IV; - EN 1504-2 - coating (C) principles MC and IR.

Storage: 12 months.
Colour: grey and white.
Application: trowel.

**Consumption:** 1.25 kg/m<sup>2</sup> per mm of thickness.

Packaging: 25 kg bags.







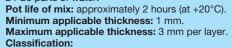
Water-repellent cementitious skimming mortar with a fine-textured, natural finish for render and concrete.



MC-IR

#### **TECHNICAL DATA:**

**Maximum dimension of aggregate:** 0.4 mm. **Mixing ratio:** 100 parts of PLANITOP 540 with 24-26 parts of water.



EN 998-1 - type GP mortar, category CS IV;
EN 1504-2 - coating (C) principles MC and IR.

Storage: 12 months.
Colour: grey and white.
Application: trowel.

Consumption: approximately 1.2 kg/m<sup>2</sup> per mm of

thickness.

Packaging: 25 kg bags.



# Planitop 545

Ultra-fine textured cementitious skimming compound applied in layers up to 3 mm thick for internal and external render.



#### TECHNICAL DATA:

Maximum size of aggregate: < 0.1 mm. Mixing ratio: 100 parts of PLANITOP 545 with 34-36 parts of water.

Pot life of mix: approx. 2 hours (at +20°C). Minimum applicable thickness: 1 mm.

Maximum applicable thickness: 3 mm. Classification: EN 998-1 - type GP mortar, category

CS II.

Storage: 12 months. Colour: white. Application: trowel.

Consumption: approx. 1.3 kg/m² per mm of

thickness.

Packaging: 20 kg bags.



## Planitop 560

Lime-cement skimming mortar with an ultra-fine-textured finish for render.



#### TECHNICAL DATA:

Maximum dimension of aggregate: < 0.1 mm. Mixing ratio: 100 parts of PLANITOP 560 with 39-43 parts of water.

39-43 parts of water.

Pot life of mix: approximately 2 hours (at +20°C).

Minimum applicable thickness: 1 mm.

Maximum applicable thickness: 2 mm per layer.

Maximum applicable thickness: 2 mm per layer. Classification: EN 998-1 - type GP mortar, category CS IV.

Storage: 12 months. Colour: white. Application: trowel.

Consumption: approx. 1.1 kg/m² per mm of

thickness

Packaging: 20 kg bags.







## 19. SMOOTHING AND PROTECTIVE PRODUCTS FOR CONCRETE AND RENDER SURFACES



## Planitop 565

Fine-grained, white-**colour**ed lime cement skimming compound for finishing "fresh" or hardened internal and external cementitious render, applied in layers up to 1 mm thick.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: < 0.1 mm. Mixing ratio: 100 parts of PLANITOP 565 with 37-39 parts of water.

Pot life of mix: approximately 2 hours (at +20°C). Minimum applicable thickness: skimming to a feather edge.

Maximum applicable thickness: 1 mm.

Classification: EN 998-1 - type GP mortar, category

Storage: 12 months.
Colour: white.
Application: trowel.

Consumption: approximately 1.2 kg/m² per mm of

thickness

Packaging: 20 kg bags.



## Planitop 600 RasaGesso

Lime-gypsum skimming mortar for internal render.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: < 0.1 mm.
Mixing ratio: 100 parts of PLANITOP 600
RASAGESSO with approximately 50 parts of water.
Pot life of mix: approximately 1 hour (at +23°C).
Minimum applicable thickness: 1 mm.
Maximum applicable thickness: 3 mm.

Classification: EN 13279-1 (B3-20-2). Storage: 12 months. Colour: white. Application: trowel.

Consumption: approximately 1 kg/m² per mm of

thickness

Packaging: 15 kg bags.



## Planitop 610 RasaGesso M

Gypsum-based skimming compound for internal render.



## TECHNICAL DATA:

Maximum size of aggregate: < 0.1 mm.

Mixing ratio: 100 parts of PLANITOP 610

RASAGESSO M with approx. 60 parts of water.

Pot life of mix: approx. 40-50 mins. (at +23°C).

Minimum applicable thickness: 1 mm.

Maximum applicable thickness: 5 mm. Classification: EN 13279-1 (B1-20-2). Storage: 12 months.

Storage: 12 months. Colour: white. Application: trowel.

Consumption: approx. 1 kg/m² per mm of thickness.

Packaging: 15 kg bags.



## Planitop Fast 330

Quick-setting, fibre-reinforced cementitious levelling mortar for internal and external floors and walls, applied in layers from 3 to 30 mm to even out irregularities.













#### TECHNICAL DATA:

Maximum dimension of aggregate: 1 mm.

Mixing ratio: 100 parts of PLANITOP FAST 330 with 18-20 parts of water.

Pot life of mix: approximately 20 minutes (at +20°C).

Minimum applicable thickness: 3 mm.

Maximum applicable thickness: 3 cm per layer.

Classification:

- EN 998-1 - type GP mortar, category CS IV;

- EN 1504-2 - coating (C) principles MC and IR.

**EMICODE:** EC1 R - very low emission.

Storage: 12 months. Application: trowel.

Consumption: 14.5 kg/m² per cm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags.



## Planitop Fine Finish

Ultra fine textured skimming mortar for concrete; recommended for exposed finish surfaces.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 0.2 mm.

Mixing ratio: 100 parts of PLANITOP FINE FINISH with 40-42 parts of water.

Pot life of mix: approx. 45 mins. (at +23°C). Minimum applicable thickness: skimming to a

feather edge.

Maximum applicable thickness: 3 mm per layer. Classification: EN 1504-2 - coating (C) principles MC and IR.

Storage: 12 months.

Application: rubber or metal trowel.

Consumption: approx. 1.2 kg/m<sup>2</sup> per mm of

thickness

Packaging: 20 kg bags.



# Planitop Superfine

Ultra-fine textured cementitious skimming compound applied in layers up to 1 mm thick for finishing off the surface of internal and external "fresh" or "cured" cementitious render.



#### **TECHNICAL DATA:**

Maximum size of aggregate: < 0.1 mm.

Mixing ratio: 100 parts of PLANITOP SUPERFINE with 34-37 parts of water.

Pot life of mix: approx. 2 hours (at +20°C).

Minimum applicable thickness: skimming to a

feather edge.

Maximum applicable thickness: 1 mm.

Classification: EN 998-1 - type GP mortar, category CS II.

Storage: 12 months. Colour: white.
Application: trowel.

Consumption: approx. 1.3 kg/m<sup>2</sup> per mm of

thickness

Packaging: 20 kg bags.



## Triblock Finish

Three-component, epoxy-cementitious mortar for smoothing damp substrates.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 0.25 mm.

Mixing ratio:

comp. A : comp. B : comp. C = 4.8 : 15.2 : 80. **Pot life of mix:** 40 minutes (at +23°C).

Minimum applicable thickness: 1 mm.

Maximum applicable thickness: 3 mm per layer

(up to 5 mm on limited areas).

Classification: EN 1504-2 - coating (C) principles MC and IR.

Storage: 12 months.

Application: trowel or rendering machine.

Consumption: 2 kg/m<sup>2</sup> per mm of thickness.

Packaging:

31.25 kg kits:

- 1.5 kg drums (comp. A);

- 4.75 kg drums (comp. B);

- 25 kg bags (comp. C).





# PRODUCTS FOR ANCHORING AND RAPID FIXING



Lampocem

Ready-to-use, quick-setting and hardening, anti-shrinkage hydraulic



#### TECHNICAL DATA:

Maximum dimension of aggregate: < 0.1 mm. Mixing ratio: 100 parts of LAMPOCEM with

20-21 parts of water.

Pot life of mix: approximately 1 minute (at +23°C).

Storage: 12 months.

**Application:** trowel or gauging trowel. **Consumption:** 1.8 kg/dm³ of cavities to be filled. Packaging: 25 kg bags, boxes of 4x5 kg sachets and

packages of 9x1 kg cartridges.



## Mapefill

Fluid expansive mortar for anchoring objects in place.



EN 1504-6

#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 2.5 mm. Mixing ratio: 100 parts of MAPEFILL with 14-15 parts

Pot life of mix: approximately 1 hour (at +20°C). Maximum applicable thickness: 6 cm per layer.

Classification: EN 1504-6. Storage: 12 months.

**Application:** pouring. **Consumption:** 1.95 kg/dm<sup>3</sup> of cavities to be filled. Packaging: 25 kg vacuum-packed polyethylene bags.



## Mapefill MF 610

Expansive mortar for precision anchoring in thick layers.



#### **TECHNICAL DATA:**

Maximum size of aggregate: ≤ 10 mm.

Mixing ratio: 100 parts of MAPEFILL MF 610 with 9.5-10.5 parts of water and 0.16-0.32% of

MAPECURE SRA.

Pot life of mix: approx. 2 hours (at +20°C). Minimum applicable thickness: 5 cm. Maximum applicable thickness: 10 cm. Classification:

- EN 1504-3 - class R4 structural mortar;

- EN 1504-6.

Storage: 12 months. Application: pouring.

Consumption: approx. 21 kg/m² per cm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags

and 1,000 kg big-bags.



## Mapefill R

Quick-hardening, fluid expansive mortar



EN 1504-6

### **TECHNICAL DATA:**

Maximum dimension of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPEFILL R with

17-18 parts of water.

Pot life of mix: approximately 45 minutes (at +20°C). Maximum applicable thickness: 6 cm per layer. Classification: EN 1504-6.

Storage: 12 months.

**Application:** pouring. **Consumption:** 1.95 kg/dm³ of cavities to be filled. Packaging: 25 kg vacuum-packed polyethylene bags.





for quickly anchoring objects in place.







## Mapefix Combibox **VE SF Kit NEW**

Styrene-free, hybrid vinyl ester resin-bases chemical fastener for structural loads. Certified for threaded rods, rebar, C1 seismic performance. Kit made up of 12 cartridges of

MAPEFIX VE SF 300 or 420 ml MAPEFIX VE SF, 24 mixers, 5 T-shirts a 1 pair of work pants.







M8-M30 Ø8-Ø32

M8-M30 Ø8-Ø32



M8-M30 Ø8-Ø32



#### TECHNICAL DATA:

Suitable substrates: all solid and perforated substrates such as concrete and concrete derivates, brickwork, mixed masonry, wood and rock.

mixed masonry, wood and rock.

Recommended penetrationF technique: drill, hammer drill, core drilling, diamond-tipped tools.

Condition of hole for application: clean, dry, damp, wet or immersed underwater.

Workability time at +20°C: 6 mins.

Final hardening time at +20°C: 45 mins (dry substrate), 90 mins (wet substrate).

Certified bar diameter: from M8 to M30; from Ø8 to Ø32.

Certification: CE marking: FTA option 1 (anchors in

rom Ø8 to Ø32.

Certification: CE marking; ETA option 1 (anchors in tension and compressed zones); ETA option 7 (fasteners in compressive side); ETA Seismic performance C1; ETA option REBAR; fire resistance.

Application: extrusion gun.

Packaging: 300 ml, 420 ml.

Storage: 12 months (300 ml) or 18 months (420 ml) at +5°C - +25°C.



## Mapefix **EP** 385/585

Pure epoxy, resin-based chemical anchor for structural loads. Certified for threaded bar, construction bars, core-drilled holes and C2 seismic loads.















#### TECHNICAL DATA:

Suitable substrates: all solid and perforated substrates such as concrete and concrete derivates, brickwork,

mixed masonry, wood and rock.

Recommended penetration technique: drill, hammer drill, core drilling, diamond-tipped tools.

Condition of hole for application: clean, dry, damp, wet

or immersed underwater.

Workability time at +20°C: 30 mins.

Final hardening time at +20°C: 10 h (dry substrate),

20 h (wet substrate). **Certified bar diameter:** from M8 to M30,

Certification: CE marking; ETA option 1 (anchors in tension and compressed zones); ETA option 7 (fasteners in compressive side); ETA Seismic performance C1 and C2; ETA option REBAR; ETA core drill; reaction to fire.

Application: extrusion gun.
Packaging: 385 ml and 585 ml.
Storage: 24 months at +5°C - +25°C.



## Mapefix EP 470 Seismic

Pure epoxy resin-based chemical anchor for structural loads. Certified for threaded bar, construction bars, and C2 seismic loads.











#### TECHNICAL DATA:

Suitable substrates: all solid and perforated substrates such as concrete and concrete derivates, brickwork, mixed masonry, wood and rock

Recommended penetration technique: drill, hammer drill, core drilling, diamond-tipped tools.

Condition of hole for application: clean, dry, damp

Workability time at +20°C: 50 mins.

Final hardening time at +20°C: 16 h (dry substrate).

Certified bar diameter: from M8 to M30; from Ø8 to Ø32.

Certification: CE marking; ETA option 1 (anchors in tension and compressed zones); ETA option 7 (fasteners in compressive side); ETA Seismic performance C2; ETA option REBAR.

Application: extrusion gun.

Packaging: 470 ml. Storage: 24 months at +5°C - +25°C.



# Mapefix EP Mixer

Spare static mixer for epoxy chemical anchors.

#### **TECHNICAL DATA:**

Suitable for the following MAPEI products: MAPEFIX EP 385, MAPEFIX EP 585, MAPEFIX EP 470 **SEISMIC** 

Packaging: box of 12 mixers.



## Mapefix PE + VE Mixer

Spare static mixer for polyester and vinylester chemical anchors.

#### TECHNICAL DATA:

Suitable for the following MAPEI products: MAPEFIX PE WALL, MAPEFIX PE SF, MAPEFIX VE SF. Packaging: box of 12 mixers.



## Mapefix PE SF

Styrene-free, polyester resin chemical fastener for heavy loads.







#### **TECHNICAL DATA:**

Suitable substrates: all full or perforated substrates. Recommended penetration technique: drill or

Condition of hole for application: clean, dry or damp. Application temperature range of substrate: +5°C - +35°C.

Workability time at +20°C: 6'.

Final hardening time at +20°C: 45' (dry substrate), 90' (wet substrate).

Certified diameter of bars: from M8 to M24. Certification available: CE mark; ETA option 7 (fasteners in compressive side).

Application: extrusion gun.

Packaging: 300 ml, 420 ml.
Storage: 12 months (300 ml) or 18 months (420 ml)

at +5°C - +25°C.



# Mapefix PE Wall

Styrene-free chemical anchor made from polyester for light loads certified for masonry.





#### **TECHNICAL DATA:**

Suitable substrates: all full and perforated masonries. Recommended penetration technique: drill or hammer-drill.

Condition of substrate for application: dry, clean. Application temperature range of substrate: 0°/+30°C

Workability time at +20°C: 6' Final hardening time at +20°C: 45'.

Certified diameter of fastener: from M8 to M24. Certification available: CE mark; ETAG 029 (anchors

in masonry).

Application: extrusion gun. Packaging: 300 ml, 380 ml. Storage: 12 months at +5°C - +30°C.



## Mapefix Metal Sleeve NEW

Cylindrical, perforated metal sleeve for applying chemical anchors in hollow and loose substrates. 1 m long cylinder to be cut to size.

#### **TECHNICAL DATA:**

Diameter and length available:

Ø20 x 1000mm x 25 pcs. Ø16 x 1000mm x 50 pcs. Ø12 x 1000mm x 50 pcs.

Suitable for the following MAPEI products: MAPEFIX range.



## Mapefix Plastic Sleeve

Cylindrical perforated plastic sleeve for applying chemical anchors in hollow substrates

#### TECHNICAL DATA:

Diameter and length available:

Ø 12 x 80 mm:

Ø 15 x 85 mm;

Ø 20 x 85 mm.

Suitable for the following MAPEI products:

MAPEFIX range.

Packaging: bag of 10 sleeves.



## Mapefix PolyBond NEW

Polyester, resin-based chemical fastener for heavy loads. Certified for threaded rods in concrete.



#### TECHNICAL DATA:

Suitable substrates: all solid and perforated substrates such as concrete and concrete derivates, brickwork,

Colour: grey. Recommended penetration technique: rotary drill,

Condition of hole for application: clean, dry.

Application temperature range of substrate: from 0°C.

Workability time at +20°C: 6 mins.

Final hardening time at +20°C: 45 mins (dry substrate), 90 mins (wet substrate).

Certified bar diameter: from M8 to M24.

Certification: CE marking; ETA option 7 (fasteners in

compressive side).

Application: extrusion gun (MAPEI 310 PRO and MAPEI GUN 420 2K).

Packaging: 300 ml e 420 ml.

Storage: 12 months for 300 ml cartridge and 18 months

for 420 ml cartridge.



## Mapefix **UM-H 420**

Solvent-free, methanemethacrylate resin-bases chemical fastener for structural loads. High bond strength and high thermal resistance. Certified for threaded rods and rebars.









Ø8-Ø32 M6-M20 IG





M8-M30



## **TECHNICAL DATA:**

Suitable substrates: all solid and perforated substrates such as concrete and concrete derivates, brickwork, mixed masonry, wood and rock.

Colour: grey.

Recommended penetration technique: drill, hammer

Condition of hole for application: clean, dry, damp, wet or immersed underwater

Workability time at +20°C: 6 mins. Final hardening time at +20°C: 40 mins.

Certified bar diameter: from M8 to M30, from Ø8 to Ø32.

Certification: CE marking; ETA option 1 (anchors in tension and compressed zones); ETA option 7 (fasteners in compressive side); ETA Seismic performance C1 and C2; ETA option REBAR;

Application: extrusion gun (MAPEI GUN 420 2K).

Packaging: 420 ml. Storage: 18 months.



## Mapefix VE SF

Styrene-free, hybrid vinyl resin-based chemical anchor for structural loads. Certified for threaded bar. construction bars and C1 seismic loads.











M8-M30 Ø8-Ø32





Suitable substrates: all solid and perforated substrates Suitable substrates: all solid and perforated substrates such as concrete and concrete derivates, brickwork, mixed masonry, wood and rock.

Recommended penetrationF technique: drill, hammer drill, core drilling, diamond-tipped tools.

Condition of hole for application: clean, dry, damp, wet or immersed underwater.

Workability time at +20°C: 6 mins.

Final hardening time at +20°C: 45 mins (dry substrate), 90 mins (wet substrate).

Certified bar diameter: from M8 to M30; from Ø8 to Ø32.

Certified bar diameter: from M8 to M30; from Ø8 to Ø32.

Certification: CE marking; ETA option 1 (anchors in tension and compressed zones); ETA option 7 (fasteners in compressive side); ETA Seismic performance C1; ETA option REBAR; fire resistance.

Application: extrusion gun.

Packaging: 300 ml, 420 ml.

Storage: 12 months (300 ml) or 18 months (420 ml) at +5°C - +25°C.



# Mapefix VinyBond NEW

Styrene-free, hybrid vinyl ester resin-bases chemical fastener for structural loads. Certified for threaded rods in concrete and rebar in reinforced concrete.





M8-M30 Ø8-Ø32

Suitable substrates: all solid and perforated substrates such as concrete and concrete derivates, brickwork, mixed masonry, wood and rock.

Colour: arev.

Recommended penetration technique: drill, hammer drill.

Condition of hole for application: clean, dry, damp, wet or immersed underwater.

Workability time at +20°C: 6 mins.

Application temperature range of substrate: from -10°C. Final hardening time at +20°C: 45 mins (dry substrate), 90 mins (wet substrate). **Certified bar diameter:** from M8 to M30, from Ø8 to Ø32.

Certified bar diameter: from M8 to M30, from Ø8 to Ø32.
Certification: CE marking; ETA option 1 (anchors in tension and compressed zones); ETA option 7 (fasteners in compressive side) ETA option REBAR.
Application: extrusion gun (MAPEI 310 PRO and MAPEI GUN 420 2K).
Packaging: 300 ml and 420 ml.
Storage: 12 months for 300 ml cartridge and 18 months for 420 ml cartridge.



## Mapegrout Anchor & Repair NEW

Fibre-reinforced, compensatedshrinkage, mortar for repairing concrete and anchoring metal structures.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 2.5 mm.

Mixing ratio: 100 parts of MAPEGROUT ANCHOR & REPAIR with 13-14.5 parts of water and 0.25% of MAPECURE SRA.

Pot life of mix: approx. 1 h. Minimum thickness: 1 cm. Maximum thickness: approx. 5 cm.

Classification: EN 1504-3 3 (R4 class structural

mortar), EN 1504-6. Storage: 12 months.

Colour: grey.
Application: pouring into formworks.

Consumption: approx. 21 kg/m² per cm of thickness. Packaging: 25 kg vacuum-packed polyethylene bags.





## Planibond BA 100

Two-component fluid epoxy resin for anchoring steel bars.



N 1504-6

#### TECHNICAL DATA:

Mixing ratio: comp. A: comp. B = 96: 4 by weight.

Pot life of mix: 45 mins. (at +23°C).

Classification: EN 1504-6. Storage: 24 months. Application: by pouring. Consumption: approx. 2 kg/dm<sup>3</sup>.

Packaging:

3 kg kit:

- 2.88 kg drum (comp. A); - 0.12 kg canister (comp. B).



## Planigrout 300

for anchorage work.



## **TECHNICAL DATA:**

Maximum dimension of aggregate: 2 mm.

Mixing ratio: comp. A : comp. B : comp. C = 16 : 6 : 100. Pot life of mix: 1 hour (at 23°C).

Maximum applicable thickness: 5 cm per layer. Classification: EN 1504-6.

Storage: 12 months.

Application: pouring.

Consumption: 2 kg/m² per mm of thickness.

Packaging:

- 12.2 kg kits: 1.6 kg drums (comp. A);
- 0.6 kg drums (comp. B);
- 10 kg bags (comp. C). 36.6 kg units:
- 4.8 kg drums (comp. A);
- 1.8 kg drums (comp. B);
   30 kg bags (comp. C).





# Three-component fluid epoxy mortar



# **Planigrout 310**

Three-component free-flowing high-strength rapid-hardening epoxy mortar applied in layers up to 10 cm thick for anchoring and grouting structures.







TECHNICAL DATA:
Maximum size of aggregate: 6 mm.
Mixing ratio: comp. A: comp. B: comp. C =
10.5: 1.6: 84 by weight.
Pot life of mix: approx. 30 minutes (at +23°C).
Maximum applicable thickness: 10 cm per layer.
Storage: 24 months.
Application: by pouring.
Consumption: approx. 2.2 kg/l of cavities to be filled.
Packaging:
96.1 kg kit:
- 10.5 kg drums (comp. A);
- 1.6 kg canister (comp. B);
- 84 kg vacuum-packed polyethylene bags (four 21 kg bags).



PRODUCTS FOR STRUCTURAL BONDING, SCREED REPAIRING AND INJECTING INTO CRACKED CONCRETE



#### Adesilex PG1

Two-component, rapid-setting thixotropic adhesive for structural bonds.



#### TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 3 : 1. Pot life of mix: 35 minutes (at +23°C). Minimum applicable thickness: 1-2 mm. Maximum applicable thickness: 1 cm per layer.

Classification: EN 1504-4. Storage: 24 months.
Application: trowel.

Consumption: 1.65-1.75 kg/m<sup>2</sup> per mm of thickness.

Packaging: 2 kg kits:

- 1.5 kg drums (comp. A);

- 0.5 kg drums (comp. B).

6 kg kits:

- 4.5 kg drums (comp. A);

- 1.5 kg drums (comp. B).



## Adesilex PG1 Rapid

Two-component, rapid-setting thixotropic adhesive for structural bonds.



#### TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 3 : 1. Pot life of mix: 10 minutes (at +23°C). Minimum applicable thickness: 1-2 mm. Maximum applicable thickness: 1 cm per layer.

Classification: EN 1504-4. Storage: 24 months. Application: trowel.

Consumption: 1.65-1.75 kg/m<sup>2</sup> per mm of thickness.

Packaging: 6 kg kits:

4.5 kg drums (comp. A);
 1.5 kg drums (comp. B).



## Adesilex PG2

Two-component thixotropic epoxy adhesive with long workability time for structural bonds.



N 1504-

#### **TECHNICAL DATA:**

Mixing ratio: comp. A : comp. B = 3 : 1. Pot life of mix: 50 minutes (at +23°C). Minimum applicable thickness: 1-2 mm. Maximum applicable thickness: 1 cm per layer.

Classification: EN 1504-4. Storage: 24 months. Application: trowel.

**Consumption:** 1.65-1.75 kg/m<sup>2</sup> per mm of thickness.

Packaging: 6 kg kits:

4.5 kg drums (comp. A);

- 1.5 kg drums (comp. B).



## Adesilex PG4

Two-component, thixotropic epoxy adhesive with modified rheology for bonding MAPEBAND, MAPEBAND TPE. PVC strips and Hypalon and for structural bonds.



EN 1504-

Mixing ratio: comp. A : comp. B = 3 : 1.

Pot life of mix: 70 minutes (at +23°C).

Minimum applicable thickness: 1-2 mm.

Maximum applicable thickness: 1 cm per layer.

Classification: EN 1504-4.

Storage: 24 months. Application: trowel.

**Consumption:** 1.60-1.65 kg/m<sup>2</sup> per mm of thickness.

Packaging:

2 kg kits: - 1.5 kg drums (comp. A); - 0.5 kg drums (comp. B).

4.5 kg drums (comp. A);1.5 kg drums (comp. B).

30 kg kits:

- 22.5 kg drums (comp. A);

7.5 kg drums (comp. B).



## **Epojet**

Two-component, super-fluid epoxy resin for injections and anchorings.



#### TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 4 : 1. Pot life of mix: 40 minutes (at +23°C). Classification: EN 1504-5 and EN 1504-6.



**Storage:** 24 months. **Application:** injection or pouring.

#### Consumption:

- sealing cracks: 1.1 kg/l of cavities to be filled;
- bonding concrete to steel: 1.1 kg/m² per mm of thickness.



- Packaging: 2.5 kg kits:
- 2 kg drums (comp. A);0.5 kg bottles (comp. B).



- 4 kg kits:
- 3.2 kg drums (comp. A);
- 0.8 kg bottles (comp. B).



## Epojet LV

Two-component epoxy resin with a very low viscosity for injecting into microcracks, also on wet surfaces.



EN 1504-5

#### TECHNICAL DATA:

Mixing ratio: comp. A: comp. B = 4:1. Pot life of mix: 35 minutes (at +23°C).

Classification: EN 1504-5. Storage: 24 months.

Application: injection or pouring.

#### Consumption:

- sealing cracks: 1.1 kg/l of cavities to be filled;
- bonding concrete to steel: 1.1 kg/m² per mm of thickness.

## Packaging:

- 2.5 kg kits:
   2 kg drums (comp. A);
- 0.5 kg bottles (comp. B).



## **Eporip**

Two-component, solvent-free, epoxy adhesive for construction joints and monolithic sealing of cracks in screeds.



#### **TECHNICAL DATA:**

Mixing ratio: comp. A : comp. B = 3 : 1. Pot life of mix: 60 minutes (at +23°C).

Classification: EN 1504-4. Storage: 24 months.

Application: brush or pouring. Consumption:

- second pours: 0.5-2 kg/m²;
- sealing cracks: 1.35 kg/l of cavities to be filled.

#### Packaging:

- 2 kg kits:
- 1.5 kg drums (comp. A);
- 0.5 kg drums (comp. B).

#### 10 kg kits:

- 7.5 kg metal drums (comp. A);
- 2.5 kg drums (comp. B).



**Eporip Turbo** 

Two-component, quick-hardening polyester resin for sealing of cracked screeds and for little repair works.



#### **TECHNICAL DATA:**

Mixing ratio: comp. A : comp. B = 500 : 8. Pot life of mix: 7 minutes (at +23°C).

Storage: 12 months.

Application: brush or pouring.

Consumption: 1.7 kg/l of cavities to be filled.

Packaging:
boxes of 6x508 g kits:

- 500 g metal drums (comp. A);
- -8 g tubes (comp. B).



PRODUCTS FOR GALVANIC CATHODIC PROTECTION OF METALLIC STRUCTURES

# 22. PRODUCTS FOR GALVANIC CATHODIC PROTECTION OF METALLIC STRUCTURES



## Mapeshield S

Zinc plate with adhesive backing for galvanic cathodic protection against the corrosion of steel structures exposed to atmospheric conditions.

**TECHNICAL DATA:** 

Thickness of plate: 0.80 mm.

Thickness of plate: 0.80 mm.

Height:

- MAPESHIELD S 100: 10 cm;

- MAPESHIELD S 200: 20 cm;

- MAPESHIELD S 300: 30 cm.

Weight: 0.70 kg/m² ± 5%.

Storage: 12 months.

Application: on the surface of metal structures.

Packaging:

- MAPESHIELD S 100: boxes containing
5 10 cm x 50 m rolls;

- MAPESHIELD S 200: boxes containing
3 20 cm x 50 m rolls;

- MAPESHIELD S 300: boxes containing
2 30 cm x 50 m rolls.

2 30 cm x 50 m rolls.



# COMPOSITE SYSTEMS FOR STRUCTURAL STRENGTHENING

# 23. COMPOSITE SYSTEMS FOR STRUCTURAL STRENGTHENING



## Adesilex PG1

Two-component, rapid-setting thixotropic adhesive for structural bonds.



#### TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 3 : 1.

Pot life of mix: 35 minutes (at +23°C). Minimum applicable thickness: 1-2 mm. Maximum applicable thickness: 1 cm per layer.

Classification: EN 1504-4. Storage: 24 months.
Application: trowel.

Consumption: 1.65-1.75 kg/m<sup>2</sup> per mm of thickness.

Packaging: 2 kg kits:

- 1.5 kg drums (comp. A);
- 0.5 kg drums (comp. B).

#### 6 kg kits:

- 4.5 kg drums (comp. A);1.5 kg drums (comp. B).



# Adesilex PG1 Rapid

Two-component, rapid-setting thixotropic epoxy adhesive for structural bonds.









### TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 3 : 1. Pot life of mix: 10 minutes (at +23°C). Minimum applicable thickness: 1-2 mm. Maximum applicable thickness: 1 cm per layer.

Classification: EN 1504-4. Storage: 24 months. Application: trowel.

Consumption: 1.65-1.75 kg/m<sup>2</sup> per mm of thickness.

Packaging:

- 6 kg kits: 4.5 kg drums (comp. A); 1.5 kg drums (comp. B).



## Adesilex PG2

Two-component thixotropic epoxy adhesive with long workability time for structural bonds.



## TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 3 : 1. Pot life of mix: 50 minutes (at +23°C). Minimum applicable thickness: 1-2 mm. Maximum applicable thickness: 1 cm per layer.

Classification: EN 1504-4. Storage: 24 months. Application: trowel.

**Consumption:** 1.65-1.75 kg/m<sup>2</sup> per mm of thickness.

Packaging: 6 kg kits:

- 4.5 kg drums (comp. A);
- 1.5 kg drums (comp. B).



# **Carboplate**

Pultruded carbon fibre plate with a protective plastic film on both faces.



Modulus of elasticity:  $\geq 160 - \geq 190 - \geq 250$ .

Fibre content: 68% - 68% - 68%.

Thickness: 1.4 mm. Width: 50, 100 and 150 mm.

Resistant section: 70, 140 and 210 mm<sup>2</sup>. Tensile strength (MPa): ≥ 2700 - ≥ 3100 - ≥ 2400. **Elongation at failure:** 1.6% - 1.6% - 0.95%.

Packaging: 25 m rolls.



## Carbotube

Pultruded carbon fibre tube preformed with epoxy resin with a protective plastic film for reinforced stitching in masonry.

#### **TECHNICAL DATA:**

Tensile modulus of elasticity: 170,000 N/mm².
Content of fibre by weight: 68%.
Tensile strength: 3,100 N/mm².
Outside diameter: 10 mm.
Inside diameter: 8 mm.

Elongation at failure: 1.6%.
Packaging: boxes of 10x2 m rolls.



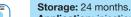
# **Epojet**

Two-component, super-fluid epoxy resin for injections and anchorings.



#### TECHNICAL DATA:

Mixing ratio: comp. A: comp. B = 4:1. Pot life of mix: 40 minutes (at +23°C). Classification: EN 1504-5 and EN 1504-6.



Application: injection or pouring.

## Consumption:

- sealing cracks: 1.1 kg/l of cavities to be filled;
- bonding concrete to steel: 1.1 kg/m² per mm of thickness.



# Packaging:

- 2.5 kg kits:
   2 kg drums (comp. A);
   0.5 kg bottles (comp. B).



## 4 kg kits:

- 3.2 kg drums (comp. A); 0.8 kg bottles (comp. B).



Injectors Ø 23

Plastic injectors with a non-return valve for injecting epoxy resin.

## TECHNICAL DATA:

Outside diameter: 23 mm.

Length: 80 mm.

Diameter of injection hole: 5 mm.



# Mapegrid B 250

Alkali-resistant, primed basalt-fibre mesh for structural "reinforced" strengthening of stone masonry, brick, tuff and concrete surfaces.

#### **TECHNICAL DATA:**

Type of fibre: basalt fibre. Weight: 250 g/m<sup>2</sup>. Mesh size: 6 x 6 mm.
Tensile strength: 60 kN/m. Elongation at failure: 1.8%. Packaging: 1 m x 50 m rolls.

# 23. COMPOSITE SYSTEMS FOR STRUCTURAL STRENGTHENING



## Mapegrid B 300

Pre-primed alkali-resistant basalt fibre mesh for structural "reinforced" strengthening of concrete and masonry structures.

#### TECHNICAL DATA: Type of fibre: basalt fibre.

Weight: 300 g/m<sup>2</sup>. Mesh size: 8x8 mm. Tensile strength: 80 kN/m. Elongation at failure: 1.8%. Packaging: 1 m x 50 m rolls.



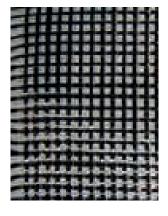
# Mapegrid B 400

Pre-primed alkali-resistant basalt fibre mesh for structural "reinforced" strengthening of masonry structures made of stone, brick, tuff and concrete.

### TECHNICAL DATA:

Type of fibre: basalt fibre. Weight: 400 g/m<sup>2</sup>. Mesh size: 7x7 mm.

Tensile strength: ≥ 3100 MPa. **Elongation at failure:**  $\geq 3.5\%$ . Packaging: 1 m x 50 m rolls.



# Mapegrid C 170

High-strength carbon fibre mesh for "reinforced" structural strengthening work on masonry structures made of stone, brick, tuff and concrete.

## TECHNICAL DATA:

Type of fibre: high-strength carbon.

**Weight:** ≥170 g/m<sup>2</sup>. Mesh size: 10x10 mm. Tensile strength: >240 kN/m. Elongation at failure: 2%.

Packaging: 50 m long by 1 m wide rolls.



## Mapegrid G 120

Pre-primed, alkali-resistant (A.R.) glass fibre mesh, for localised reinforced "strengthening" of masonry substrates made of stone, brick, tuff and concrete.

#### **TECHNICAL DATA:**

Type of fibre: A.R. type glass fibre

Weight: 125 g/m².
Mesh size: 12.7 x 12.7 mm.
Tensile strength: 30 kN/m.

Elongation at failure: 1.8%.

Packaging: 25 m x 45 cm rolls and 50 m x 1 m rolls.



## Mapegrid G 220

Alkali-resistant, pre-primed glass fibre mesh for structural "reinforced" strengthening of stone, brick and tuff and mixed masonry structures.

#### TECHNICAL DATA:

Type of fibre: A.R. type glass fibre.

Weight: 225 g/m².
Mesh size: 25 x 25 mm.
Tensile strength: 45 kN/m. Elongation at failure: < 1.8%. Packaging: 45.70 m x 90 cm rolls.



# Mapei Steel Bar 304

Ultra high-strength helical bars in AISI 304 stainless steel for reinforced pointing on masonry structures.

#### TECHNICAL DATA:

Type of steel: ultra high-strength AISI 304 steel.

Diameter: 6 mm. Packaging: 10 m rolls.



# Mapei Steel Bar 316

Ultra high-strength helical bars in AISI 316 stainless steel for reinforced pointing on masonry structures.

## TECHNICAL DATA:

Type of steel: ultra high-strength AISI 316 steel.

Diameter: 6 mm. Packaging: 10 m rolls.



# Mapei Steel Dry 316

Ultra high-strength "dry-applied" helical AISI 316 stainless steel bars for strengthening reinforced concrete, masonry and wooden structural members. Available in 6, 8 and 10 mm diameter.

Available upon request in AISI 304 stainless steel.



## **TECHNICAL DATA:**

Type of steel: ultra high-strength AISI 316 steel. Diameter: 6, 8 and 10 mm.

## Length:

- Ø 6 mm: lengths of 40, 60 and 100 cm; Ø 8 mm: lengths of 40, 60, 80 and 100 cm; Ø 10 mm: lengths of 40, 60 and 80 cm.

Packaging: boxes of 50 pieces (40 and 60 cm lengths); tubes of 50 pieces (80 and 100 cm lengths).

# 23. COMPOSITE SYSTEMS FOR STRUCTURAL STRENGTHENING



## Mapenet EM 30

Pre-impregnated alkali-resistant A.R. glass fibre mesh (FRP) used to make "reinforced" structural render on concrete and masonry structures.

#### TECHNICAL DATA:

Type of fibre: A.R. type glass fibre.

**Weight:** 420 g/m<sup>2</sup>. Mesh size: 30 x 30 mm. Section of single bar: 2.37 mm<sup>2</sup>.

Bars/metre: 33.

Tensile strength of single bar: 3.20 kN.
Tensile modulus of elasticity: 33,000 N/mm².

Packaging: 1 m x 25 m rolls.



# Mapenet EM 40

Pre-impregnated alkali-resistant A.R. glass fibre mesh (FRP) used to make "reinforced" structural render on concrete and masonry structures.

#### TECHNICAL DATA:

Type of fibre: A.R. type glass fibre.

**Weight:** 270 g/m<sup>2</sup>. **Mesh size:** 40 x 40 mm.

Section of single bar: 1.518 mm<sup>2</sup>.

Bars/metre: 25.

Tensile strength of single bar: 2.25 kN. Tensile modulus of elasticity: 33,000 N/mm<sup>2</sup>.

Packaging: 1 m x 50 m rolls.



# Mapenet **EM** Connector

Pre-formed "L" shaped fasteners made from alkali-resistant glass fibre and thermo-setting vinylester-epoxy resin available in different lengths (20, 50, 70 cm).

## TECHNICAL DATA:

Type of fibre: alkali-resistant glass fibre. Equivalent diameter of bar: 7 mm.

Tensile strength: 32 kN.

Tensile modulus of elasticity: 35,000 N/mm<sup>2</sup>.

Packaging: boxes of 100 pcs.



# Maperod C

High tensile pultruded carbon fibre rebars pre-formed with epoxy resin for structural strengthening of damaged concrete, wooden and masonry elements.

## **TECHNICAL DATA:**

Modulus of elasticity: 155,000 N/mm<sup>2</sup>.

Fibre content: 71%.

Transversal section: 73.9 mm<sup>2</sup>. Tensile strength: 2,000 N/mm<sup>2</sup>. Single shear strength: 75 N/mm<sup>2</sup>. Nominal diameter: 9.7 mm. Packaging: boxes of 10x2 m rolls.



# Maperod G

Pultruded glass fibre rebar pre-formed with epoxy-modified vinylester resin for structural reinforcement of damaged reinforced concrete, brick, stone and tuff elements.

#### **TECHNICAL DATA:**

Tensile modulus of elasticity: 40,800 N/mm<sup>2</sup>.

Fibre content: 75%.

Transversal section: 71.26 mm<sup>2</sup>. Tensile strength: 760 N/mm<sup>2</sup>. Nominal diameter: 9.53 mm. Shear strength: 152 N/mm<sup>2</sup>. Packaging: boxes of 10x6 m rolls.



# MapeWrap 11

Two-component, normal-setting, thixotropic epoxy grout for evening out concrete surfaces and for structural bonding.



EN 1504-4

#### TECHNICAL DATA:

Mixing ratio: comp. A: comp. B = 3:1. Workability time: 35 minutes (at +23°C).

Bond strength to concrete: > 3 N/mm² (after 7 days

at +23°C - failure of substrate). Classification: EN 1504-4. Application: trowel.

Consumption: 1.55 kg/m<sup>2</sup> per mm of thickness.

Packaging: 6 kg kits:

- 4.5 kg drums (comp. A);

- 1.5 kg drums (comp. B).



# MapeWrap 12

Two-component, slow-setting, thixotropic epoxy grout for evening out concrete surfaces and for structural bonding.



## TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 3 : 1. Workability time: 50 minutes (at +23°C).

Bond strength to concrete: > 3 N/mm<sup>2</sup> (after 7 days

at +23°C - failure of substrate). Classification: EN 1504-4. Application: trowel.

Consumption: 1.55 kg/m<sup>2</sup> per mm of thickness.

Packaging: 6 kg kits:

- 4.5 kg drums (comp. A);

- 1.5 kg drums (comp. B).



## MapeWrap 21

Two-component, super-fluid epoxy resin for impregnating MAPEWRAP using the "damp system".



#### TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 4 : 1.

Workability time: 40 minutes (at +23°C).

Bond strength to concrete: > 3 N/mm² (after 7 days

at +23°C - failure of substrate).

**Brookfield Viscosity:** 300 mPa·s (rotor 1 - 10 revs). **Classification:** EN 1504-4.

Consumption: according to the type and width of

the fabric. Packaging:

5 kg kits:

- 4 kg drums (comp. A);

- 1 kg drums (comp. B).

## 23. COMPOSITE SYSTEMS FOR STRUCTURAL STRENGTHENING



## MapeWrap 31

Two-component, medium-viscosity epoxy adhesive for impregnating MAPEWRAP using the "dry system".



#### TECHNICAL DATA:

Mixing ratio: comp. A : comp. B = 4 : 1. Workability time: 40 minutes (at +23°C).

Bond strength to concrete: > 3 N/mm<sup>2</sup> (after 7 days at +23°C - failure of substrate).

Brookfield Viscosity: 6,500 mPa·s (rotor 3 - 10 revs). Classification: EN 1504-4.

Consumption: according to the type and width of the

fabric.

### Packaging:

- 5 kg kits:
- 4 kg drums (comp. A);
- 1 kg drums (comp. B).



## MapeWrap 31 T

Thixotropic epoxy adhesive for impregnating MAPEWRAP fabrics using the "dry system".



EN 1504-4

#### TECHNICAL DATA:

Mixing ratio: comp. A: comp. B = 4:1. Workability time: 50 minutes (at +23°C).

Adhesion to concrete: > 3 N/mm<sup>2</sup> (after 7 days at

+23°C - failure of concrete).

Brookfield viscosity: 70,000 mPa·s (rotor 6 - 10 revs). Consumption: according to the type and width of the fabric.

### Packaging:

- 5 kg kits:
- 4 kg drums (comp. A);
- 1 kg drums (comp. B).



# MapeWrap B FIOCCO

Unidirectional high strength basalt fibre cord to be impregnated with MAPEWRAP 21 (two-component superfluid epoxy resin) to make "structural connections".



Type of fibre: high-strength basalt. Diameters available: 10, 12 mm. Equivalent surface of dry fabric:

- diam. 10 mm 24.27 mm

- diam. 12 mm 28.76 mm<sup>2</sup>

Modulus of elasticity: 87,000 N/mm<sup>2</sup>. Tensile strength: 3,101 N/mm<sup>2</sup>. Elongation at failure: 3.15%. Packaging: 10 m rolls.



MapeWrap B UNI-AX

Unidirectional, high strength basalt fibre fabric.

#### **TECHNICAL DATA:**

Weight: 400-600 g/m<sup>2</sup>.

Equivalent thickness of dry fabric: 0.143-0.215 mm. Tensile strength: 4.840 N/mm².

Tensile modulus of elasticity: 89 GPa.

Width: 40 cm.

Elongation at failure: 3.15%.

Packaging: 50 m rolls.



## MapeWrap C BI-AX

Balanced, high-strength, bi-directional carbon fibre fabric.



Weight: 230-360 g/m<sup>2</sup>.

Equivalent thickness of dry fabric: 0.064-0.10 mm. Tensile strength: > 4.800 MPa.

Tensile modulus of elasticity: 230 GPa.

Width: 20-40 cm.

Elongation at failure: 2.1%. Packaging: 50 m rolls.



# Mapewrap C **Connector NEW**

20/15/6 mm - 20/15/8 mm - 20/15/10 mm

Pultruded carbon fibre connector for anchoring with one end to be impregnated with MAPEWRAP 21 Length of the pre-formed bar: 20 cm, length of the open end: 15 cm. Available with 6, 8 and 10 mm diameter.

Glass fiber version available upon request.

#### TECHNICAL DATA:

Type of fibre: high-strength carbon. Diameters available: 6, 8, 10 mm.

Nominal area:

diameter 6 mm 28, 30 mm<sup>2</sup>; diameter 8 mm 50, 30 mm<sup>2</sup>; diameter 10 mm 78, 50 mm<sup>2</sup>;

Modulus of elasticity: 150,000 N/mm<sup>2</sup> ± 5%.

Tensile strength: ≥2,100 N/mm<sup>2</sup>. Elongation at failure: 1.5%. Packaging: 50 pcs box.



# MapeWrap C FIOCCO

High-strength carbon fibre cord to be impregnated with MAPEWRAP 21 (two-component, super-fluid epoxy resin) to make "structural connections".

## TECHNICAL DATA:

Type of fibre: high-strength carbon. Diameters available: 6, 8, 10 and 12 mm. Equivalent surface area of dry fabric:

diam. 6 mm 15.70 mm<sup>2</sup>; diam. 8 mm 21.24 mm<sup>2</sup>; diam.10 mm 26.79 mm<sup>2</sup>; diam.12 mm 31.40 mm<sup>2</sup>;

Modulus of elasticity: 230,000 N/mm<sup>2</sup>. Tensile strength: 4,830 N/mm<sup>2</sup>. Elongation at failure: 1.8%. Packaging: 10 m rolls.



# MapeWrap C **QUADRI-AX**

Balanced, high-strength, quadridirectional carbon fibre fabric.

#### TECHNICAL DATA:

Weight: 380 g/m<sup>2</sup>.

Equivalent thickness of dry fabric: 0.053 mm. Tensile strength: > 4.800 MPa. Tensile modulus of elasticity: 230 GPa.

Width: 30-48.5 cm. Elongation at failure: 2.1%.

Packaging: 50 m rolls.



# MapeWrap C UNI-AX

High-strength, unidirectional carbon fibre fabric with a high modulus of elasticity.



#### TECHNICAL DATA:

Weight: 300-600 g/m<sup>2</sup>.

Equivalent thickness of dry fabric: 0.164-0.331 mm. Tensile strength: ≥ 4,900 N/mm².

Tensile modulus of elasticity:  $252,000 \pm 2\%$  N/mm<sup>2</sup>.

Elongation at failure:  $\ge 2\%$ . Width: 10 - 20 - 40 cm. Packaging: 50 m rolls.



# MapeWrap C **UNI-AX HM**

High-strength unidirectional carbon fibre fabric with very high modulus of elasticity.



Weight: 300-600 g/m<sup>2</sup>.

Equivalent thickness of dry fabric: 0.164-0.329 mm.

Tensile strength: 4,410 N/mm<sup>2</sup>.

Tensile modulus of elasticity: 390,000 N/mm<sup>2</sup>.

Elongation at failure: 1.1%. Width: 10 - 20 - 40 cm. Packaging: 50 m rolls.



# MapeWrap EQ **Adhesive**

One-component, ready-to-use, polyurethane-based adhesive in watery dispersion with very low emission level of volatile organic compounds (VOC) for impregnating MAPEWRAP EQ NET bi-directional, primed glass fibre fabric.



### **TECHNICAL DATA:**

Consistency: gel. Colour: milky white.

Storage: 12 months (protect from frost). Final hardening time: 24 hours.

EMICODE: EC1 Plus - very low emission. Consumption: 0.5-0.6 kg/m<sup>2</sup>. Packaging: 6 kg drums



# MapeWrap EQ Net

Bi-directional, primed glass fibre fabric to protect secondary partition walls in buildings from seismic activity and to prevent brick-cement floors collapsing.

#### **TECHNICAL DATA:**

Type of fibre: type E glass fibre.

**Weight:** 286 g/m<sup>2</sup>.

Equivalent thickness of dry fabric: 0.057 mm<sup>2</sup>.

Tensile strength: > 1620 N/mm<sup>2</sup> Tensile modulus of elasticity: 42 GPa. Width: 100 cm.

Elongation at failure: 4%. Packaging: 50 m rolls.



# MapeWrap G FIOCCO

High-strength glass fibre cord to be impregnated with MAPEWRAP 21 (two-component, super-fluid epoxy resin) to make "structural connections". TECHNICAL DATA:

Type of fibre: E type glass.

Diameters available: 6, 8, 10 and 12 mm.

Equivalent surface area of dry fabric:

diam. 6 mm 16.34 mm<sup>2</sup>; diam. 8 mm 21.45 mm<sup>2</sup>; diam. 10 mm 27.58 mm<sup>2</sup>; diam. 12 mm 32.69 mm<sup>2</sup>.

Modulus of elasticity: 80,700 N/mm². Tensile strength: 2,560 N/mm<sup>2</sup>. Elongation at failure: > 3%. Packaging: 10 m rolls.



# MapeWrap G UNI-AX

Unidirectional, high strength glass fibre fabric.

#### TECHNICAL DATA:

Type of fibre: E type glass.

Weight: 900 g/m<sup>2</sup>.

Equivalent thickness of dry fabric: 0.48 mm.

Tensile strength: 2,560 N/mm<sup>2</sup>

Tensile modulus of elasticity: 80.7 GPa.

Elongation at failure: 3-4%.

Width: 30-60 cm. Packaging: 50 m rolls.



# MapeWrap Primer 1

Two-component epoxy primer specifically formulated for the MAPEWRAP system.

## TECHNICAL DATA:

**Mixing ratio:** comp. A : comp. B = 3 : 1.

Workability time: 90 minutes (at +23°C).

Bond strength to concrete: > 3 N/mm<sup>2</sup> (after 7 days

at +23°C - failure of substrate).

Brookfield Viscosity: 300 mPa·s (rotor 1 - 10 revs).

Consumption: 250-300 g/m<sup>2</sup>.

Packaging: 2 kg kits:

- 1.5 kg drums (comp. A);

- 0.5 kg drums (comp. B).



# MapeWrap S Fabric 650

High-strength uni-directional galvanized steel fibre fabric for structural strengthening.

#### TECHNICAL DATA:

Type of fibre: galvanized steel fibres.

Weight (metallic fibres only): 650 g/m². Load-resistant area per unit of width:

97.405 mm<sup>2</sup>/m.

Tensile strength: > 2,580 N/mm².
Tensile modulus of elasticity: 200,000 N/mm².

Elongation at failure: 1.29%.

Width: 30 cm.

Packaging: 50 m rolls.



## MapeWrap S Fabric 2000

Unidirectional, high-strength galvanized steel fibre fabric for structural strengthening.

#### TECHNICAL DATA:

Type of fibre: galvanized steel fibre. Weight (metallic fibres only): 2000 g/m².
Load-resistant area per unit of width: 266 mm²/m. Tensile strength: > 2.580 N/mm<sup>2</sup>.
Tensile modulus of elasticity: 200,000 N/mm<sup>2</sup>.

Elongation at failure: > 1.29%.

Width: 30 cm.

Packaging: 25 m rolls.



# MapeWrap SG FIOCCO

High-strength galvanized steel fibre cord for structural strengthening.

#### TECHNICAL DATA:

Type of fibre: galvanized steel. Diameters available: 10 mm.

Resistant section of connector: 19.415 mm<sup>2</sup>. Modulus of elasticity: > 200,000 N/mm<sup>2</sup>. Tensile strength: > 2,400 N/mm<sup>2</sup>. Elongation at failure: >1.6%. Packaging: 10 m rolls.



# Planitop HDM Maxi

Two-component ready-mixed, high ductility pozzolan-reaction, fibrereinforced mortar for structural "reinforced" strengthening work, when used in combination with mesh from the MAPEGRID line, and for smoothing and levelling concrete and masonry.









## TECHNICAL DATA:

Maximum dimension of aggregate: 1 mm. Mixing ratio: 4 parts of PLANITOP HDM MAXI comp. A with 1 part of PLANITOP HDM MAXI comp. B. Pot life of mix: approximately 1 hour (at +20°C). Maximum applicable thickness: 25 mm. Classification: EN 1504-3 - class R2 non-structural

mortar and EN 998-2 - type G mortars, class M25. Storage: 12 months (comp. A); 24 months (comp. B). Application: gauging trowel, trowel or rendering

Consumption: approximately 1.85 kg/m<sup>2</sup> per mm of thickness



#### Packaging: 31.25 kg kits:

- 25 kg vacuum-packed polyethylene bags (comp. A);
- 6.25 kg drums (comp. B).



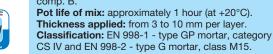
# Planitop HDM Restauro

Two-component, pre-blended, high-ductility, fibre-reinforced, hydraulic lime (NHL) and ECO-POZZOLAN-based light-coloured mortar, particularly recommended for "reinforced" structural strengthening of masonry substrates in combination with the MAPEGRID meshes and for evening out stone, brickwork and tuff substrates.



#### **TECHNICAL DATA:**

Maximum dimension of aggregate: 1.5 mm. Mixing ratio: 1 25 kg comp. A with 1 drums of



Storage: 12 months (comp. A); 24 months (comp. B). Application: gauging trowel, trowel or rendering machine

Consumption: approximately 1.9 kg/m<sup>2</sup> per mm of thickness



#### Packaging:

30 kg kits: - 25 kg bags (comp. A);

- 5 kg drums (comp. B).





## Planitop HPC

Two-component ultra high performance shrinkage-compensated freeflowing high ductility fibre-reinforced cementitious mortar with stiff steel fibres for restoring and repairing concrete.

N.B.: PLANITOP HPC is sold with FIBRES HPC (1.625 kg of FIBRES HPC per 25 kg bag of PLANITOP HPC).









#### **TECHNICAL DATA:**

Maximum size of aggregate: 2.5 mm. Mixing ratio: 100 parts of PLANITOP HPC with 6.5 parts of FIBRES HPC and 12-13 parts of water. Pot life of mix: approximately 1 h (at +20°C). Minimum applicable thickness: 1.5 cm. Maximum applicable thickness: 5 cm per layer.
Classification: EN 1504-3 class R4 structural mortar

and EN 1504-6.

Application: pouring into formwork.

Consumption: approx. 20 kg/m<sup>2</sup> per cm of thickness. Packaging: 25 kg vacuum-packed polyester bag.



## Fibres HPC

Stiff steel fibres used in combination with PLANITOP HPC mortar.



Consumption: 1.625 kg per 25 kg bag of

PLANITOP HPC. Packaging: 6.5 kg box.



# Planitop HPC Floor

One-component, ultra-high strength, highly ductile, highly fluid, fibre-reinforced with steel fibres, compensated shrinkage cementitious mortar for strengthening the external face of floor slabs.









### **TECHNICAL DATA:**

Maximum size of aggregate: 1 mm.

Mixing ratio: 100 parts of PLANITOP HPC FLOOR with 11.5-12.5 parts of water.

Pot life of mix: approx. 1h (at +20°C). Minimum thickness: 1 cm.

Maximum thickness: 4 cm.

Classification: EN 1504-3 category R4 structural

mortar and EN 1504-6. Application: pouring/casting.

Consumption: approx. 21 kg/m² per cm of thickness. Packaging: 25 kg vacuum packed polyester bags.



# Planitop HPC Floor 46

Ultra-high performance, high ductility, free-flowing cementitious mortar reinforced with steel fibres.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 6 mm.
Mixing ratio: 100 parts of PLANITOP HPC FLOOR 46 with 9.5-10 parts of water.

Pot life of mix: approx. 45 mins. (at +20°C).

Minimum applicable thickness: 45 cm.

Classification: EN 1504-3 class R4 structural mortar.

Application: pouring.

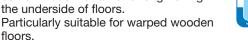
Consumption: approx. 22 kg/m² per mm of thickness. Packaging: 25 kg vacuum-packed polyester bags.





## Planitop HPC Floor T

One-component, very high performance, high ductility, reinforced with steel fibres, compensated-shrinkage, semi-fluid cementitious mortar for strengthening the underside of floors.





#### **TECHNICAL DATA:**

Maximum size of aggregate: 1 mm.

Mixing ratio: 100 parts of PLANITOP HPC FLOOR T

with 11.5-12.5 parts of water.

Pot life of mix: approx. 40 mins. (at +20°C). Minimum applicable thickness: 1 cm. Maximum applicable thickness: 4 cm.

Classification: EN 1504-3 class R4 structural mortar.

**Application:** by pouring. **Consumption:** approx. 21 kg/m² per cm of thickness. Packaging: 25 kg vacuum-packed polyester bags.



# Planitop HPC LV

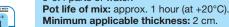
Ultra high performance self-compacting expanding cementitious mortar.



#### **TECHNICAL DATA:**

Maximum size of aggregate: 6 mm.

Mixing ratio: 100 parts of PLANITOP HPC LV with 9-9.4 parts of water.



Maximum applicable thickness: 10 cm per layer. Classification: EN 1504-3 class R4 structural mortar, EN 1504-6.



Consumption: approx. 22 kg/m² per cm of thickness. Packaging: 25 kg vacuum-packed polyester bags.



# Planitop HPC Tixo NEW

Two-component, thixotropic, ultrahigh performance, fibre-reinforced cementitious mortar, with a workhardening effect, with steel fibres for restoring and repairing concrete structures.

N.B.: PLANITOP HPC TIXO is sold with FIBRES HPC (1.625 kg of FIBRES HPC per 25 kg bag of PLANITOP HPC TIXO).



## TECHNICAL DATA:

Maximum size of aggregate: 1 mm.

Mixing ratio: 100 parts by weight of component A (powder) with 6.5 parts by weight of component B (FIBERS HPC) (1.625 kg of fibres per 25 kg bag) and 17 parts by weight of water (4.25 I of water per 25 kg bag).

Pot life of mix: approx. 1 h (at +20°C). Maximum thickness: 40 mm per coat.

Classification: EN 1504-3 3 as R4 class structural

Application: with spreader, trowel. No need of formworks in vertical or on ceiling application.

Consumption: approx. 21 kg/m<sup>2</sup> per cm of thickness. Packaging: component A (powder) 25 kg vacuumpacked polyethylene bags, component B (Fibres HPC) 6.5 kg box with stiff metal fibres.



## Fibres HPC

Stiff steel fibres used in combination with PLANITOP HPC mortar.



Consumption: 1.625 kg per 25 kg bag of PLANITOP HPC TIXO.

Packaging: 6.5 kg box.





# Planitop Intonaco Armato NEW

Two component, ready-mixed, cementfree, high-ductility fibre-reinforced natural hydraulic lime (NHL) and ECO-POZZOLAN mortar, containing 30% of recycled raw material, particularly recommended for levelling off the surface of stone, bricks and tuff, and for the structural strengthening of existing facing walls, including when extra strengthening mesh is not applied.











## TECHNICAL DATA:

Maximum size of aggregate: 1.5 mm.

Mixing ratio: one 25 kg bag of component A (powder) with one drum of component B (liquid).

Pot life of mix: approx. 1 h (at +20°C).

Thickness applied: approx. 5 mm per coat.

Classification: EN 998-2 as M15 masonry mortar and EN 998-1 as GP type render CS IV category. Application: with metal spreader or rendering

machine. Consumption: approx. 1.8 kg/m<sup>2</sup> per mm of

thickness

Packaging: component A (powder) 25 kg vacuumpacked polyethylene bags, component B (liquid) 5 kg drums.



# Spindle for Mapei Steel Dry

Special spindle for inserting "MAPEI STEEL DRY AISI 316" spiral rods.
Complete with adapter for SDS hammer drill for dry application.

#### TECHNICAL DATA:

Diameter: 8 mm and 10 mm. Packaging: box with 1 spindle.



# PRODUCTS FOR THERMAL INSULATION



## Adesilex FIS13

Adhesive and smoothing and levelling compound in water dispersion mixed with cement for thermal insulation systems.

ETA 04/0061

#### TECHNICAL DATA:

Consistency: thick paste.

Colour: white.

Density (g/cm³): 1.5.

Application temperature range: from +5°C to +35°C. Mixing ratio: 1 part of ADESILEX FIS13 with 0.7 parts

of 42.5 cement (by weight).

Cleaning: water. Storage: 24 months. Application: trowel. Consumption (kg/m²):

- 1.8-3.2 depending on bonding technique;
- 1-1.2 per mm of thickness for smoothing and levelling.

Packaging: 25 kg.



## Mapetherm AR1

One-component cementitious mortar for bonding and levelling insulation panels and for thermal insulation systems.

ETA 04/0061 ETA 10/0024 ETA 10/0025



#### **TECHNICAL DATA:**

Consistency: powder.

Colour: grey

Density of the mix (kg/m³): 1,450.

Application temperature range: from +5°C to +35°C.

Mixing ratio: 21-24% with water (by weight).

Cleaning: water. Storage: 12 months. Application: trowel. Consumption (kg/m²):

- 4.0-6.0 kg/m<sup>2</sup> according to the bonding technique
- 1.3-1.5 per mm of thickness when used as smoothing compound (recommended: approx. 4 mm in 2 coats)

Packaging: 25 kg.



# Mapetherm AR1 GG

One-component, large-grained cementitious mortar for bonding and levelling insulation panels and for thermal insulation systems.

ETA 10/0024 ETA 10/0025



## **TECHNICAL DATA:**

Consistency: powder. Colour: grey and white

Density of the mix (kg/m³): 1,400.

Application temperature range: from +5°C to +35°C.

Mixing ratio: 21-24% with water (by weight).

Cleaning: water. Storage: 12 months. Application: trowel. Consumption (kg/m²):

- 4.0-6.0 kg/m<sup>2</sup> depending on bonding technique;
- 1.35-1.55 kg/m² per mm of thickness when used as smoothing compound (recommended: approx. 4 mm in 2 coats).

Packaging: 25 kg.



# Mapetherm AR1 Light

One-component, lightweight, cementitious mortar for bonding and skimming insulating panels and thermal insulation systems.



#### **TECHNICAL DATA:** Consistency: powder.

Colour: white.

Density of the mix (kg/m³): 1,300.

Application temperature range: from +5°C to +35°C.

Mixing ratio: 29-31% with water (by weight).

Cleaning: water. Storage: 12 months.
Application: trowel.

- Consumption:
   3.0-5.0 kg/m² according to the bonding technique
- 1.20-1.40 kg/m² per mm of thickness when used for skimming (recommended: approx. 4 mm).









# Mapetherm Ba

Aluminium starting profiles with drip channel, available in sizes 4, 5, 6, 8 and 10 cm.

TECHNICAL DATA: Composition: aluminium. Colour: grey.
Dimensions m: 2.50.

Packaging: packages of 20 pieces.



# Mapetherm Cork

Cork insulating panels for thermal insulation systems.

#### TECHNICAL DATA:

Composition: expanded cork.

Colour: brown.

Thickness available mm: 40, 50, 60, 80 and 100. Dimensions of panel mm: 1000 x 500. Packaging: from 1.5 to 4 m<sup>2</sup> (according to the





# **Mapetherm Dripnose** Bead

PVC corner profile with drip channel and 10 cm wide alkali-resistant glass fibre mesh for door and window openings. May be used as a drip channel for balconies and projecting features.

## TECHNICAL DATA:

Composition: PVC. Colour: white.

Dimensions m: 2.50.

Packaging: packs of 20 profiles.



# Mapetherm EPS

Extruded sintered polystyrene insulating panels for thermal insulation systems.

ETA 10/0025

#### TECHNICAL DATA:

**Composition:** sintered expanded polystyrene.

Colour: white.

Thickness available cm: 4, 5, 6, 8 and 10.

Dimensions of panel cm: 100 x 50.

**Packaging:** from 3 to 7.5 m<sup>2</sup> (according to the thickness).



## Mapetherm FIX

Stud for fixing insulating panels and composite insulating systems in place, with a plug with a metal/nylon pin and polypropylene body.

ETA 09/0394

#### TECHNICAL DATA:

Composition: synthetic material with zinc-plated steel nail.

Colour: grey.
Sizes available mm: 108, 128, 148.
Packaging: boxes of 100 pieces.



# Mapetherm FIX 9

Polyprpoylene fastener.

#### TECHNICAL DATA:

Composition: polypropylene.

Colour: grey.

Sizes available mm: 83. Packaging: boxes of 500 pieces.



# Mapetherm FIX B

Nylon self-tapping studs in zinc/chrome-plated steel.

## TECHNICAL DATA:

Composition: nylon and zinc/chrome-plated steel.

Colour: grey

Sizes available mm: 45. Packaging: boxes of 100 pieces.



## Mapetherm Flex RP

Cement-free, fibre-reinforced, lightweight elastic flexible skimming paste resistant to biological agents for internal and external use. Available in the following granulometries: 0.5 mm and 1.5 mm.







#### **TECHNICAL DATA:**

Consistency: paste.

Colour: white or various colours using the ColorMap® automatic colouring system.

Density (g/cm³): approx. 1.45-1.50 (according to

grain size).
Application temperature (of the substrate and the air): from +5°C to +35°C.
Cleaning: water.

Consumption:

- 0.5 mm: 1.9-2.1 kg/m² per 1 mm of thickness; - 1.5 mm: 4.0-5.0 kg/m² per 1 mm of thickness.

Packaging: 20 kg drums.



# Mapetherm M. Wool

High-density, glass wool insulating panels for thermal insulation systems.

ETA 10/0024

TECHNICAL DATA:

Composition: high density glass wool.

Colour: yellow.

Thickness available cm: 4, 5, 6, 8 and 10.

Dimensions of panel cm: 120 x 60.

Packaging: from 2.88 to 7.2 m² (according to the

thickness).



# Mapetherm Net

Alkali-resistant glass fibre mesh suitable for reinforced skimming layers when repairing façades, or for the execution of MAPETHERM thermal insulation systems.

ETA 10/0024 ETA 10/0025 ETA 04/0061

#### TECHNICAL DATA:

Composition: 100% glass fibre.

Colour: white.

Mesh size (mm): 4.15 x 3.8.

Weight of primed mesh (g/m²): approx. 150.

Storage: unlimited. Packaging: 50x1 m rolls.



# Mapetherm Profil

Pre-mounted aluminium angle iron incorporated with alkali-resistant glass fibre mesh.

## TECHNICAL DATA:

Composition: aluminium:

Colour: grey.

Dimensions m: 2.50.

Packaging: boxes of 50 pieces.



# Mapetherm Profil Ba

PVC profile with drip channel and 10 cm wide alkali-resistant glass fibre mesh for MAPETHERM Ba starter profiles.

# TECHNICAL DATA:

Composition: PVC.

Colour: white.
Dimensions m: 2.50.

Packaging: packs of 25 profiles.

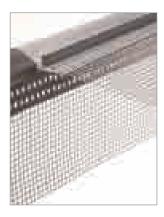


# Mapetherm Profil E

PVC profile with 10 cm wide alkaliresistant glass fibre mesh and a flexible membrane for flat expansion joints.

**TECHNICAL DATA:** Composition: PVC. Colour: white.
Dimensions m: 2.50.

Packaging: packs of 25 profiles.



# Mapetherm Profil V

PVC profile with 10 cm wide alkaliresistant glass fibre mesh and a flexible membrane for corner expansion joints.

TECHNICAL DATA: Composition: PVC.

Colour: white. Dimensions m: 2.50.

Packaging: packs of 25 profiles.



# Mapetherm Profil W

Adhesive PVC profile with 10 cm wide alkali-resistant glass fibre mesh and a flexible membrane for the inside edge of window openings.

TECHNICAL DATA:

Composition: PVC. Colours: white. Dimensions m: 2.40.

Packaging: packs of 30 profiles.



# Mapetherm XPS

Polystyrene insulating panels for thermal insulation systems.

ETA 04/0061

## TECHNICAL DATA:

Composition: extruded foam polystyrene.

Colour: light blue.

Thickness available cm: 4, 5, 6, 8 and 10.

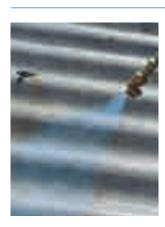
Dimensions of panel cm: 120 x 60.

**Packaging:** from 2.88 to 6.48 m<sup>2</sup> (according to the thickness).



# PRODUCTS FOR TREATING ASBESTOS CEMENT SLABS

# 25. PRODUCTS FOR TREATING ASBESTOS CEMENT SLABS



Vinavil 03V Specially for asbestos Temporary encapsulation of asbestos-cement panels.

TECHNICAL DATA: Consistency: fluid liquid.

Consistency: fidia figure.

Colour: red.

Density (EN ISO 2811-1) (g/cm³): approx. 1.08.

Dry solids content (EN ISO 3251) (%): approx. 50.

Dilution rate: ready to use; 25% of water if applied

Dilution rate: ready to use; 25% of water if applied by pump.

Waiting time before applying other products:

1- 2 hours.

Application temperature range: from +5°C to +35°C.

Cleaning: water.

Storage: 24 months.

Application: roller, brush or pump.

Consumption: approx. 0.2-0.3 kg/m².

Packaging: 5, 10 and 25 kg.



# WALL PROTECTIVE AND DECORATIVE COATINGS



# **Antipluviol**

High-performance, silicone waterrepellent in watery solution for external



#### **TECHNICAL DATA:**

Consistency: fluid liquid. Colour: transparent.

Density (EN ISO 2811-1) (g/cm³): approx. 1.02. Dry solids content (EN ISO 3251) (%): approx. 5.

Dilution rate: supplied ready to use. Surface drying time: 1-2 hours.

Application temperature range: from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

**Application:** roller, brush or spray. **Consumption:** 0.2-1 kg/m<sup>2</sup> (according to the porosity

of the substrate). Packaging: 5 and 25 kg.



# Antipluviol S

Ultra high-performance, transparent, siloxane resin water-repellent impregnator.



#### **TECHNICAL DATA:**

Consistency: fluid liquid. Colour: transparent.

Density (EN ISO 2811-1) (g/cm3): approx. 0.8.

Active substance content (%): 9. Dilution rate: supplied ready to use. Surface drying time: 1 hour.

Application temperature range: from +5°C to +35°C. Cleaning: solvent (benzene, white spirit, etc.).

Storage: 24 months.

Application: roller, brush or spray.

Consumption: 0.1-1 kg/m<sup>2</sup> (according to the porosity of the substrate).

Packaging: 5 and 10 kg.



# Antipluviol W

Transparent, silane and siloxane waterrepellent impregnator in watery solution.



### **TECHNICAL DATA:**

Consistency: fluid liquid.

Colour: milky.

Density (EN ISO 2811-1) (g/cm<sup>3</sup>): approx. 1.01.

Active substance content (%): 8. Dilution rate: supplied ready to use. Surface drying time: 1-2 hours.

Application temperature range: from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: roller, brush or spray.

Consumption: 0.2-1 kg/m<sup>2</sup> (according to the porosity

of the substrate). Packaging: 10 kg.



## **Colorite Beton**

Semi-transparent, anti-carbonatation acrylic paint with a smooth finish for internal and external surfaces.



#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: colours from the colour chart range or other colours using the ColorMap® automatic colouring

Density (EN ISO 2811-1) (g/cm³): approx. 1.27. Dry solids content (EN ISO 3251) (%): approx. 59.

Dilution rate: 10-15% of water. Recoat time: 24 hours.

Application temperature range: from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: roller, brush or spray.

Consumption: 0.25-0.3 kg/m<sup>2</sup> (for two coats).



## **Colorite Matt**

Highly-transpirant water-based paint for internal use with excellent hiding

#### TECHNICAL DATA:

Consistency: thick liquid.

Colour: white.

Density (EN ISO 2811-1) (g/cm³): approx. 1.65. Dry solids content (EN ISO 3251) (%): approx. 65.

Dilution rate: 15-20% of water.

Recoat time: 6-12 hours.

Application temperature range: from +5°C to +35°C.

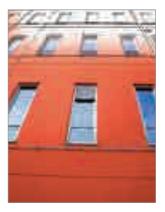
Cleaning: water. Storage: 24 months.

Application: roller, brush or spray.

Consumption: 0.3-0.4 kg/m² (for two coats of the

product).

Packaging: 5 and 20 kg.



## **Colorite Performance**

Protective acrylic paint with high resistance to UV rays for internal and external use, available in a wide range of colours.



PI-MC-IR

#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm3): approx. 1.35. Dry solids content (EN ISO 3251) (%): approx. 61.

Dilution rate: 10-15% of water. Recoat time: 12-24 hours.

**Application temperature range:** from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: roller, brush or spray.

Consumption: 0.3-0.4 kg/m² (for two coats of the

product).

Packaging: 5 and 20 kg.



## **Duresil EB**

Two-component, anti-acid epoxy paint modified with hydro-carbide resin for protecting concrete and steel surfaces.



PI-MC-RC-IR

## **TECHNICAL DATA:**

Consistency: component A fluid paste,

component B fluid paste.

Colour: black and grey.

Density (g/cm³): component A 1.75, component B 1.40.

Dilution rate: ready to use. Complete hardening time: 7 days.

Application temperature range: from +5°C to +30°C.

Cleaning: nitro solvent or xylol.

Storage: 12 months.

Application: roller, brush or spray.

Consumption: 0.4-0.45 kg/m<sup>2</sup> for approx. 250 µm

thickness.

(for one coat of the product). Packaging: 10 kg kits (A + B).



Dursilac Base Filler NEW

Water based acrylic undercoat for interior and exterior use with high opacity and filling properties.

#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.53. Dry solids content by weight (EN ISO 3251) (%):

approx. 68.

Dilution rate (% by volume): max 10% with water.

Recoat time: 12 hours.

Application temperature range: from +8°C to +35°C.

Cleaning: water.

Storage: 24 months.

Application: roller, brush or spray. Coverage: 6-8 m<sup>2</sup>/litre per coat. Packaging: 0.75 and 2.5 litres.



## **Dursilac Gloss** NEW

Water based acrylic urethane enamel paint for interior and exterior use, with excellent flow and providing a hardwearing. Gloss Finish.

#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.22.

Dry solids content by weight (EN ISO 3251) (%):

approx. 56.

Dilution rate (% by volume): max 15% with water.

Recoat time: 6-8 hours.

Application temperature range: from +8°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: roller, brush or spray. Coverage: 10-12 m<sup>2</sup>/litres per coat. Packaging: 0.75 and 2.5 litres.



## Dursilac Matt NEW

Water based acrylic urethane enamel paint for interior and exterior use, with excellent flow and providing a hardwearing Matt finish.

#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm3): approx. 1.30. Dry solids content by weight (EN ISO 3251) (%):

approx. 62.

Dilution rate (% by volume): max 15% with water.

Recoat time: 6-8 hours.

Application temperature range: from +8°C to +35°C.

Cleaning: water.

Storage: 24 months.

Application: roller, brush or spray. Coverage: 10-12 m<sup>2</sup>/litre per coat. Packaging: 0.75 and 2.5 litres.



## **Dursilac No Rust NEW**

Anti-rust solvent-based primer, for internal and external application, with excelent adhesion and anti-corrosive power.

### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: grey

Density (EN ISO 2811-1) (g/cm3): approx. 1.58 Dry solids content by weight (EN ISO 3251) (%):

Dilution rate (% by volume): max 10% with white

spirit or synthetic thinner.

Recoat time: 12 hours.

Application temperature range: from +5°C to +30°C. Cleaning: white spirit.

Storage: 24 months.

Application: roller, brush or spray. Coverage: 6-8 m<sup>2</sup>/litter per coat. Packaging: 0.75 and 2.5 litres.



## Dursilac Satin NEW

Water based acrylic urethane enamel paint for interior and exterior use, with excellent flow and providing a hardwearing Satin finish.

#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm3): approx. 1.18.

Dry solids content by weight (EN ISO 3251) (%):

approx. 57.

Dilution rate (% by volume): max 15% with water.

Recoat time: 6-8 hours.

Application temperature range: from +8°C to +35°C.

Cleaning: water.

Storage: 24 months.

Application: roller, brush or spray. Coverage: 10-12 m<sup>2</sup>/litre per coat. Packaging: 0.75 and 2.5 litres.



## **Dursilite**

Washable water-based paint with low dirt pick-up and excellent washability for internal walls.



Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.50.

Dry solids content (EN ISO 3251) (%): approx. 65.

**Dilution rate:** 15-20% of water. **Recoat time:** 6-12 hours.

**Application temperature range:** from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: roller, brush or spray.

Consumption: 0.3-0.4 kg/m<sup>2</sup> (for two coats of the

product)

Packaging: 5 and 20 kg.



## **Dursilite Base Coat**

Coloured smooth acrylic base coat, with a smooth finish and adhesion promoting properties.

#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.650. Dry solids content (EN ISO 3251) (%): approx. 68. Dilution rate: ready to use or diluted with 5% water.

Recoat time: at least 24 hours.

Application temperature range: from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: brush, roller or spray.

Consumption: 0.2-0.4 kg/m² per coat.

Packaging: 5 and 20 kg.



## **Dursilite Gloss**

Semi-gloss enamel wall paint for internal surfaces; long-lasting, high quality, stain-resistant finish.

### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.30. Dry solids content (EN ISO 3251) (%): approx. 55.

Dilution rate: 0-10% of water. Recoat time: 6-12 hours.

Application temperature: +5°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: brush, roller or spray.

Consumption: 0.2-0.3 kg/m<sup>2</sup> (for two coats of

product).

Packaging: 4 and 16 kg.



## **Dursilite Matt**

Transpirant, high opacity, washable water-based wall paint for internal use.

#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colours: white or various colours using the ColorMap® automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.60.

Dry solids content (EN ISO 3251) (%): approx. 65.

Dilution rate: 15-20% of water.

Recoat time: 6-12 hours.

Application temperature range: from +5°C to +35°C.

Cleaning: water Storage: 24 months.

**Application:** brush, roller or spray. **Consumption:** 0.3-0.4 kg/m² (for two coats of

product).

Packaging: 5 and 20 kg.



## **Dursilite Plus**

Hygienising, washable and traspirant wall paint which is resistant to mould, for internal surfaces.



#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.60.

Dry solids content (EN ISO 3251) (%): approx. 65.

Dilution rate: 15-20% of water. Application temperature range: from +5°C to +35°C.

Recoat time: 6-12 hours.

Cleaning: water. Storage: 24 months.

Application: brush, roller or spray.

Consumption: 0.3-0.4 kg/m<sup>2</sup> (for two coats of

product)

Packaging: 5 and 20 kg.



## Elastocolor Net

Alkali-resistant glass fibre mesh for reinforcing fine-graded skimming pastes.

#### TECHNICAL DATA:

Composition: 100% glass fibre.

Colour: white.

Mesh size (mm): 2.7 x 2.7.

Weight of primed mesh (g/m²): approx. 61.

Storage: unlimited.

Packaging: 50 x 1 m rolls.



## Elastocolor Paint

Elastomeric, crack-bridging, permanently flexible, protective paint with high resistance to chemicals for internal and external surfaces.



## **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.37. Dry solids content (EN ISO 3251) (%): approx. 63.

Dilution rate: 10-15% of water.

Recoat time: 12-24 hours.

**Application temperature range:** from +5°C to +35°C.

Cleaning: water.

Storage: 24 months.

Application: roller, brush or spray. Consumption: 0.2-0.4 kg/m<sup>2</sup> per coat.

Packaging: 20 kg.



## Elastocolor Paint Plus NEW

Elastomeric hygenic paint with crackbridging ability, for internal and external use, with long-lasting elasticity and mould and algae resistant.



#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.37.

Dry solids content (EN ISO 3251) (%): approx. 63.

Dilution rate: 10-15% of water.

Recoat time: 12-24 hours.

Application temperature range: from +5°C to +35°C.

Cleaning: water.

Storage: 24 months.

**Application:** roller, brush or spray. **Consumption:** 0.2-0.4 kg/m² for coat.







## Elastocolor Primer

Solvent-based high-penetration consolidating primer to even out surfaces.

#### **TECHNICAL DATA:**

Consistency: fluid liquid. Colour: transparent.

Density (EN ISO 2811-1) (g/cm³): approx. 0.96. Dry solids content (EN ISO 3251) (%): approx. 10. Dilution rate: ready to use.

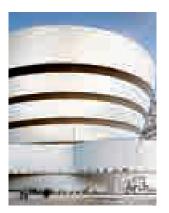
Waiting time before applying other products: 5-6 hours

**Application temperature range:** from +5°C to +35°C.

Cleaning: nitro thinners. Storage: 24 months.

Application: roller, brush or spray. Consumption: 0.10-0.15 kg/m<sup>2</sup>.

Packaging: 10 kg.



# Elastocolor Rasante

Fibre-reinforced, elastomeric, high flexibility finishing product with good defect covering capacity, for internal and external applications.



PI-MC-IR

#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap® automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.35. Dry solids content (EN ISO 3251) (%): approx. 67. Dilution rate: as it is or diluted with 5-10% of water.

Recoat time: 24 hours.

**Application temperature range:** from +5°C to +35°C. Cleaning: water.

Storage: 24 months.

Application: roller, brush, trowel or spray.

Consumption:

- trowel: 0.3-0.4 g/m<sup>2</sup> per coat;

- brush or roller: approx. 0.4 g/m² per coat; - spray 0.4-0.7 g/m² per coat.

Packaging: 20 kg.



# Elastocolor Rasante SF

Fibre-reinforced elastomeric, thick-layered finishing product with high filling properties, for internal and external surfaces.



PI-MC-IR

## TECHNICAL DATA:

Consistency: thick liquid.

Colour: white or various colours using the ColorMap® automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.47. Dry solids content (EN ISO 3251) (%): approx. 77. Dilution rate: as it is or diluted with 5-10% of water. Waiting time between each coat: 24 hours.

Application temperature range: from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: trowel, roller, brush or spray.

Consumption:

- trowel: 0.7-0.8 g/m² per coat;

- brush or roller: approx. 0.5 g/m² per coat;

- spray 0.8-1.0 g/m² per coat.

Packaging: 20 kg.



# Elastocolor Tonachino Plus

Elastic, water-repellent, mildew and mould-resistant, hygienising, elastomeric coating product for internal and external surfaces.

Available in the following grain sizes: 1.2 mm.











#### **TECHNICAL DATA:**

Consistency: paste.

Colours: white or various colours using the ColorMap® automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.70.

Dry solids content (EN ISO 3251) (%): approx. 83.

Dilution rate: ready to use (it can be diluted with

1-2% of water). Recoat time: 12-24 hours.

Application temperature range: from +5°C to +35°C. Cleaning: water.

Storage: 24 months. Application: trowel.

Consumption: 1.2 mm: 1.9-2.3 kg/m<sup>2</sup>.



# Elastocolor Waterproof

Waterproof, easy-to-clean acrylic paint for internal and external surfaces in permanent contact with water.



#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: colours from the colour chart range using the

ColorMap® automatic colouring system

Density (EN ISO 2811-1) (g/cm³): approx. 1.18. Dry solids content (EN ISO 3251) (%): approx. 59. **Dilution rate:** diluted with 5-10% of water.

Recoat time: 24 hours.

Application temperature range: from +10°C to +35°C.

Cleaning: water Storage: 24 months.

Application: roller or brush (spray only for structures

which are not immersed in water).

Consumption:

- 0.3-0.5 kg/m² (for two coats of the product) for structures which are not immersed in water;
- 0.6-0.8 kg/m<sup>2</sup> (for two/three coats of the product) for structures which are immersed in water.

Packaging: 20 kg.



## Malech

Acrylic resin undercoat in water dispersion to even out the absorption of substrates before applying other products.



Consistency: fluid liquid. Colour: transparent.

Density (EN ISO 2811-1) (g/cm3): approx. 1.01. Dry solids content (EN ISO 3251) (%): approx. 15. Dilution rate: ready to use; 30-50% of water for

surfaces with low absorbency.

Waiting time before applying other products: 12-24 hours.

Application temperature range: from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: brush, roller or spray. Consumption: 0,10-0,15 kg/m<sup>2</sup>. Packaging: 2 and 10 kg.



# Mapecoat ACT 021

Enamel wall paint with high cleanability and resistance to mould for internal surfaces in areas with food and beverages.



### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system

Density (EN ISO 2811-1)(g/cm<sup>3</sup>): 1.20.

Dry solids content (EN ISO I3251) (%): approx. 57.

Dilution rate: 0-10% of water. Re-coat time: 6-12 hours.

Application temperature: +5°C to +35°C.

Cleaning: water.

Storage: 24 months.

Application: brush, roller or spray. Consumption: 0.2-0.3 kg/m<sup>2</sup> for two coats.

Packaging: 20 kg.



## Mapecoat ACT 196

Highly washable, enamel wall paint with excellent cleanability and resistance to bacteria for internal surfaces in healthcare facilities.



#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1)(g/cm³): 1.20.

Dry solids content (EN ISO I3251) (%): approx. 57. Dilution rate: 0-10% of water.

Re-coat time: 6-12 hours.

**Application temperature:** +5°C to +35°C.

Cleaning: water. Storage: 24 months.

**Application:** brush, roller or spray. **Consumption:** 0.2-0.3 kg/m² per coat.





# Mapecoat DW 25

Two-component epoxy paint for anti-acid and non-toxic coatings on concrete surfaces, suitable for contact with drinking water.



#### TECHNICAL DATA:

Consistency: component A: thick paste, component

B: fluid paste.

Colour: component A: white, component B:

transparent

Density (EN ISO 2811-1) (g/cm<sup>3</sup>): component A 1.43,

component B 1.003. **Dilution rate:** supplied ready to use.

Recoat time: 6-24 hours.

Complete hardening time: 7 days.

Application temperature range: from +5°C to +30°C.

Cleaning: ethanol. Storage: 24 months.

Application: roller, brush or spray.

Consumption: 0.4-0.6 kg/m<sup>2</sup> (for one coat of the

product)

Packaging: 5 kg kits (A + B).



# Mapecoat W

Two-component, epoxy paint in water dispersion for protecting cementitious substrates.



Consistency: component A fluid paste,

component B thick paste.

Colour: component A transparent, component B

Density (EN ISO 2811-1) (g/cm<sup>3</sup>): component A 1.15,

component B 1.35

Dilution rate: supplied ready to use or 5-10% of water.

Recoat time: 6-24 hours.

Complete hardening time: 8-10 days.

Application temperature range: from +5°C to +35°C.

Cleaning: water. Storage: 12 months.

**Application:** roller, brush or spray. **Consumption:** 0.25-0.3 kg/m² (for one coat of the

product)

Packaging: 20 kg kits (A + B).



# **Quarzolite Base Coat**

Coloured acrylic undercoat with a smooth finish and good filling and adhesion promoting properties, for internal and external surfaces.

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#### TECHNICAL DATA:

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.58. Dry solids content (EN ISO 3251) (%): approx. 67. Dilution rate: as it is or diluted with 5-10% of water.

Recoat time: 24 hours.

**Application temperature range:** from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: roller, brush or spray. Consumption: 0.3-0.5 kg/m<sup>2</sup> per coat.

Packaging: 20 kg.



### **Quarzolite HF Plus**

Acrylic hygienising paint with granular quartz fillers for internal and external use, durable with filling properties, resistant to mould and algae.



#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

Density (EN ISO 2811-1) (g/cm³): approx. 1.58 g/cm³. Dry solids content (EN ISO 3251): 70%. Dilution rate: 10-15% of water.

Recoat time: at least 24 hours. Application temperature: +5°C to +35°C.

Cleaning: water.

Application: brush, roller or spray.

Consumption: 0.35-0.45 (for two coats of product).



### **Quarzolite Paint**

Acrylic paint with micro-granular quartz with a smooth finish for long-lasting protection of internal and external surfaces.

#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.55.

Dry solids content (EN ISO 3251) (%): approx. 66.

Dilution rate: 15-20% of water. Recoat time: 24 hours.

**Application temperature range:** from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: roller, brush or spray.

Consumption: 0.3-0.4 kg/m<sup>2</sup> for two coats.

Packaging: 5 and 20 kg.



# **Quarzolite Tonachino**

High-protection, thick-layered acrylic coating product with high filling properties for internal and external

Available in the following granulometries: 0.7 mm, 1.2 mm, 1.5 mm and 2.0 mm.

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#### TECHNICAL DATA:

Consistency: paste.
Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.65-1.95 (according to the grain size).

Dry solids content (EN ISO 3251) (%): approx. 85.

Dilution rate: supplied ready to use (it can be diluted with 1-2% of water).

Recoat time: 24 hours.

Application temperature range: from +5°C to +35°C.
Cleaning: water.
Storage: 24 months.
Application: trowel.
Consumption:

- 0.7 mm: 1.7-2.0 kg/m²; - 1.2 mm: 1.9-2.3 kg/m²; - 1.5 mm: 2.2-2.6 kg/m²;

2.0 mm: 2.6-3.0 kg/m<sup>2</sup>

Packaging: 20 kg.



# Quarzolite Tonachino Plus

Highly protective, mould and mildewresistant acrylic coating product with, for internal and external surfaces.

Available in the following granulometries: 1.2 mm and 1.5 mm.



### TECHNICAL DATA:

Consistency: paste.

Colour: white or various colours using the ColorMap® automatic colouring system

**Density (EN ISO 2811-1) (g/cm³):** approx. 1.55-1.85

(according to the grain size).

Dry solids content (EN ISO 3251) (%): approx. 85. Dilution rate: supplied ready to use (it can be diluted with 1-2% of water).

Recoat time: 24 hours.

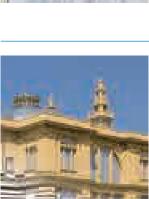
Application temperature range: from +5°C to +35°C.

Cleaning: water. Storage: 24 months. Application: trowel. Consumption:

- 1.2 mm: 1.9-2.3 kg/m<sup>2</sup>;

- 1.5 mm: 2.2-2.6 kg/m².

Packaging: 20 kg.



# Silancolor AC Paint

Water-repellent acrylic-siloxane paint with high resistance to UV rays for internal and external surfaces.

#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

Density (EN ISO 2811-1) (g/cm³): approx. 1.55.

Dry solids content (EN ISO 3251-1) (%): approx. 66.

Dilution rate: 10-15% of water.

Recoat time: 24 hours.

**Application temperature range:** from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

**Application:** roller, brush or spray. **Consumption:** 0.3-0.4 kg/m² (for two coats of the

product).





# Silancolor AC Paint Plus NEW

Acryl-siloxane paint for the hygiene of walls in internal and external applications, water repellent, mould and algae resistent.



#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.55.

Dry solids content (EN ISO 3251): approx. 66.

Dilution rate: 10-15% of water. Recoat time: 12-24 hours.

**Application temperature range:** from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: roller, brush or spray.

Consumption: 0.3-0.4 kg/m<sup>2</sup> (per two coats).

Packaging: 20 kg.



# Silancolor AC Tonachino

Water-repellent, thick-layered acrylicsiloxane coating with high filling properties for internal and external

Available in the following granulometries:



#### **TECHNICAL DATA:**

Consistency: paste.

Colour: white or various colours using the ColorMap® automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.70.

Dry solids content (EN ISO 3251-1) (%): approx. 80. Dilution rate: supplied ready to use (it can be diluted

with 1-2% of water). Recoat time: 12-24 hours.

Application temperature range: from +5°C to +35°C.

Cleaning: water. Storage: 24 months. Application: trowel.

**Consumption:** 1.2 mm: 1.9-2.3 kg/m<sup>2</sup>.

Packaging: 20 kg.



# Silancolor AC Tonachino Plus NEW

Acryl-siloxane plaster for the hygiene of walls in internal and external applications, water repellent, mould and algae resistant.

Available in the following grain sizes: 1.2 mm.



### **TECHNICAL DATA:**

Consistency: paste

Colour: white or various colours using the ColorMap®

automatic colouring system

Density (EN ISO 2811-1) (g/cm³): approx. 1.70. Dry solids content (EN ISO 3251): approx. 80.

Dilution rate: ready to use. Recoat time: 12-24 hours.

**Application temperature range:** from +5°C to +35°C.

Cleaning: water. Storage: 24 months. Application: trowel.

Consumption: 1.9-2.3 kg/m<sup>2</sup>.

Packaging: 20 kg.



### Silancolor Base Coat

Water-repellent, coloured siloxane undercoat with a smooth finish and good filling properties for internal and external surfaces.

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### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

Density (EN ISO 2811-1) (g/cm³): approx. 1.58.

Dry solids content (EN ISO 3251) (%): approx. 67.

Dilution rate: supplied ready to use (it can be diluted

with 5-10% of water). Recoat time: 24 hours.

Application temperature range: from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: roller, brush or spray. Consumption: 0.3-0.5 kg/m<sup>2</sup> per coat.





# Silancolor Base Coat Plus NEW



Hygienising siloxane based pigmented base coat, for internal and external application, evens out the surfaces and mould and algae resistant.

#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.60.

Dry solids content (EN ISO 3251) (%): approx. 68. Dilution rate: ready to use or diluted up to 10% of

Recoat time: 12-24 hours.

**Application temperature range:** from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: roller, brush or spray.

Consumption: 0.2-0.3 kg/m² per coat.

Packaging: 20 kg.



# Silancolor Cleaner Plus



Hygienising detergent in watery solution.

#### **TECHNICAL DATA:**

Consistency: fluid liquid.

Colour: transparent. Density (EN ISO 2811-1) (g/cm3): approx. 1.01. Dilution rate: ready-to-use or diluted max 300% with

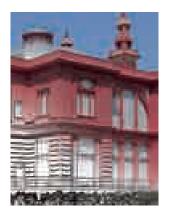
Waiting time before applying other products: 12-24 hours.

Application temperature range: from +5°C to +35°C. Cleaning: water.

Storage: 24 months.

**Application:** low-pressure manual spray gun or brush. **Consumption:** 0.2-1 kg/m² (ready-to-use solution).

Packaging: 1 and 5 kg.



### Silancolor Paint



Transpirant, water-repellent, siloxane paint resistant to aggressive environments for internal and external surfaces.



### TECHNICAL DATA:

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.58. Dry solids content (EN ISO 3251) (%): approx. 65.

Dilution rate: 15-25% of water.

Recoat time: 24 hours.

**Application temperature range:** from +5°C to +35°C.

Cleaning: water.

Storage: 24 months. Application: roller, brush or spray.

Consumption: 0.3-0.4 kg/m<sup>2</sup> for two coats.

Packaging: 5 and 20 kg.



### Silancolor Paint Plus



Highly protective transpirant, waterrepellent, mildew and mould-resistant, siloxane paint for internal and external surfaces.

#### **TECHNICAL DATA:**

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

Density (EN ISO 2811-1) (g/cm³): approx. 1.55.

Dry solids content (EN ISO 3251) (%): approx. 65.

Dilution rate: 15-20% of water.

Recoat time: 24 hours.

**Application temperature range:** from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

**Application:** roller, brush or spray. **Consumption:** 0.3-0.4 kg/m² (for two coats of the

product).

Packaging: 5 and 20 kg.



### Silancolor Primer

Transpirant siloxane undercoat with a smooth finish.

#### TECHNICAL DATA:

Consistency: fluid liquid.

Colour: milky

Density (EN ISO 2811-1) (g/cm³): approx. 1.01. Dry solids content (EN ISO 3251) (%): approx. 12.

Dilution rate: supplied ready to use.

Waiting time before applying other products:

12-24 hours. Application temperature range: from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

Application: roller, brush or spray. Consumption: 0.1-0.15 kg/m<sup>2</sup>.

Packaging: 10 kg.



# Silancolor Primer

Highly protective siloxane, mildew and mould-resistant primer.



#### **TECHNICAL DATA:**

Consistency: fluid liquid.

Colour: milky

Density (EN ISO 2811-1) (g/cm³): approx. 1.01. Dry solids content (EN ISO 3251) (%): approx. 5. Dilution rate: supplied ready to use.

Waiting time before applying other products:

24 hours.

Application temperature range: from +5°C to +35°C.

Cleaning: water. Storage: 24 months.

**Application:** roller, brush or spray. **Consumption:** 0.1-0.3 kg/m<sup>2</sup>. Packaging: 2 and 10 kg.



### Silancolor Tonachino

Transpirant, water-repellent, thicklayered siloxane coating product with high filling properties for internal and external surfaces.

Available in the following granulometries: 0.7 mm, 1.2 mm, 1.5 mm and 2.0 mm.

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TECHNICAL DATA:

Consistency: paste.
Colour: white or various colours using the ColorMap® automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.65-1.95

(according to the grain size).

Dry solids content (EN ISO 3251) (%): approx. 80.

Dilution rate: supplied ready to use (it can be diluted with

1-2% of water).

Recoat time: 24 hours.

Application temperature range: from +5°C to +35°C.

Cleaning: water. Storage: 24 months. Application: trowel.

Consumption:

- 0.7 mm: 1.7-2.0 kg/m<sup>2</sup>; - 1.2 mm: 1.9-2.3 kg/m<sup>2</sup>;

1.5 mm: 2.2-2.6 kg/m<sup>2</sup>

2.0 mm: 2.6-3.0 kg/m²
 Packaging: 20 kg.



# Silancolor Tonachino Plus

Highly protective transpirant, waterrepellent, mildew and mould-resistant siloxane coating product for internal and external surfaces.





#### **TECHNICAL DATA:** Consistency: paste.

Colour: white or various colours using the ColorMap® automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.65-1.90

(according to the grain size).

Dry solids content (EN ISO 3251) (%): approx. 80. Dilution rate: supplied ready to use (it can be diluted with 1-2% of water).

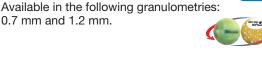
Recoat time: 12-24 hours.

Application temperature range: from +5°C to +35°C. Cleaning: water.

Storage: 12-24 months. Application: trowel. Consumption:

- 0.7 mm: 1.7-2.0 kg/m<sup>2</sup>;

- 1.2 mm: 1.9-2.3 kg/m<sup>2</sup> - 1.5 mm: 2.2-2.6 kg/m<sup>2</sup>.





### Silexcolor Base Coat

Transpirant, coloured silicate undercoat with a smooth finish and good filling properties for internal and external surfaces, according to DIN 18363 Standards.

ETA 10/0024 ETA 10/0025



Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

Density (EN ISO 2811-1) (g/cm³): approx. 1.60.

Dry solids content (EN ISO 3251) (%): approx. 67.

Dilution rate: as is or 5-10% of SILEXCOLOR PRIMER.

Recoat time: 24 hours.

Application temperature range: from +8°C to +35°C.

Cleaning: water. Storage: 12 months.

Application: roller, brush or spray. Consumption: 0.3-0.5 kg/m<sup>2</sup> per coat.

Packaging: 20 kg.



# Silexcolor Marmorino

Highly-decorative, fine-grained, silicate mineral coating product in paste form with high chemical resistance for internal and external surfaces, according to DIN 18363 Standards.

#### **TECHNICAL DATA:**

Consistency: paste.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.61. Dry solids content (EN ISO 3251) (%): approx. 67.

Dilution rate: supplied ready to use.

Recoat time: 12 hours.

Application temperature range: from +8°C to +35°C.

Cleaning: water. Storage: 12 months. Application: trowel.

Consumption: 0.8-1.0 kg/m² (according to the type

of finish required). Packaging: 5 and 20 kg.



### Silexcolor Paint

Highly-transpirant silicate paint with a high chemical bond for internal and external surfaces, according to DIN 18363 Standards.

### TECHNICAL DATA:

Consistency: thick liquid.

Colour: white or various colours using the ColorMap®

automatic colouring system.

Density (EN ISO 2811-1) (g/cm³): approx. 1.46. Dry solids content (EN ISO 3251) (%): approx. 55.

Dilution rate: 20% of SILEXCOLOR PRIMER.

Recoat time: 24 hours.

**Application temperature range:** from +8°C to +35°C.

Cleaning: water. Storage: 12 months.

Application: roller, brush or spray.

Consumption: 0.35-0.45 kg/m<sup>2</sup> for two coats.

Packaging: 20 kg.



### Silexcolor Primer

Highly breathable silicate primer compliant with DIN 18363 standards.

ETA 04/0061

#### **TECHNICAL DATA:**

Consistency: fluid liquid.

Colour: transparent.

Density (EN ISO 2811-1) (g/cm³): approx. 1.1.

Dry solids content (EN ISO I3251) (%): approx. 17.

Dilution rate: supplied ready to use.
Waiting time before applying other products:

12-24 hours.

Application temperature range: from +8°C to +35°C.

Cleaning: water. Storage: 12 months.

**Application:** roller, brush or spray. **Consumption:** 0.1-0.15 kg/m<sup>2</sup>.



# Silexcolor Tonachino

Highly transpirant, thick-layered silicate coating product with high filling properties for internal and external surfaces in compliance with DIN 18363. Available in the following granulometries: 0.7 mm,1.2 mm, 1.5 mm and 2.0 mm.

ETA 04/0061 ETA 10/0024 ETA 10/0025

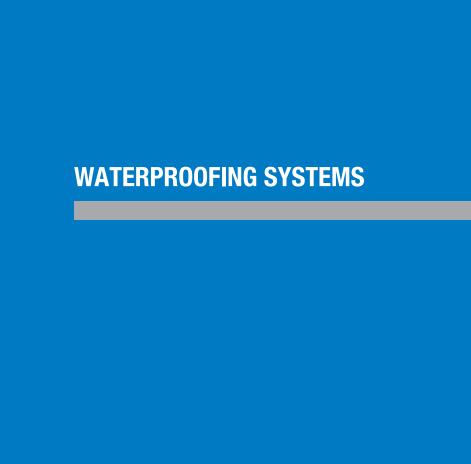




#### **TECHNICAL DATA:**

TECHNICAL DATA:
Consistency: paste.
Colour: white or various colours using the ColorMap® automatic colouring system.
Density (EN ISO 2811-1) (g/cm³): approx. 1.65-1.95 (according to the grain size).
Dry solids content (EN ISO 3251) (%): approx. 80.
Dilution rate: supplied ready to use (it can be diluted with 3-5% of SILEXCOLOR PRIMER).
Recoat time: 24 hours.
Application temperature range: from +8°C to +35°C.
Cleaning: water.
Storage: 12 months.
Application: trowel.
Consumption:
-0.7 mm: 1.7-2.0 kg/m²;
-1.2 mm: 1.9-2.3 kg/m²;
-1.5 mm: 2.2-2.6 kg/m²;
-2.0 mm: 2.6-3.0 kg/m².
Packaging: 20 kg.





### 27.1 Waterproofing structures below ground level



### Idrosilex

Bulk powder or liquid water-repellent for cementitious mortar.

#### TECHNICAL DATA:

Consistency: powder or liquid.

Pot life of mix: approximately 1 hour.

Storage: 12 months. Consumption:

- IDROSILEX LIQUID: 3-5 kg/m<sup>2</sup> every 100 kg of
- cement; IDROSILEX POWDER: 2-4 kg/m² every 100 kg of cement.

- Packaging:
   IDROSILEX LIQUID: 6 and 25 kg drums; 12x1 kg boxes:
- IDROSILEX POWDER: boxes of 25x1 kg.



# Lamposilex

Ultra quick-setting and hardening hydraulic binder for blocking seeping

#### **TECHNICAL DATA:**

Consistency: fine powder.

Workability time at +20°C: approximately 1 minute.

Storage: 12 months.

Mixing ratio: 100 g of LAMPOSILEX with 28 g

of water.

Minimum application temperature: +5°C. Consumption: 1.8 kg/dm<sup>3</sup> of cavities to be filled.

Packaging: 5 kg drums.



# Mapegel 50

Three-component hydrophilic gel for consolidating the ground and for injecting concrete barriers.

### **TECHNICAL DATA:**

Consistency: comp A (liquid), comp B (liquid), comp C (solid).

Viscosity of mix (mPa·s): < 5.

**Storage:** 12 months at a temperature of between

+10°C and +30°C.

Mixing ratio: comp A: (comp B/water): comp C

(weight) = 20 : (1/20) : 0.3.

Consumption:

approximately 1 kg/l (of cavities to be filled).

Packaging: 21.3 kg kits:

- comp A 20 kg;

- comp B 1 kg; - comp C 0.3 kg.



# Mapei Waterproofer

Waterproofing agent for render and normal-setting waterproofing mixes.

#### **TECHNICAL DATA:**

Consistency: thick liquid. Colour of mix: white.

**Application temperature:** +5°C to +35°C. **Dosage:** 3% by weight of mix.

Packaging: 5 kg drums.



# Mapelastic Foundation

Two-component, flexible cementitious mortar for waterproofing concrete surfaces subject to negative and positive hydraulic lift.



#### **TECHNICAL DATA:**

Consistency: thixotropic.

Mixing ratio: comp. A: comp. B = 2.2:1. Pot life of mix: approximately 1 hour (at +20°C). Application temperature range: from +5°C to +40°C. Minimum applicable thickness: 2 mm in 2 coats. Classification: EN 1504-2 - coating (C) principles PI,

MC and IR and EN 14891 norm.

EMICODE: EC1R Plus - very low emission.

Storage: 12 months. Application: roller or spray.

Consumption:

- by roller: 1.65 kg/m² per mm of thickness;
   by spray: 2.2 kg/m² per mm of thickness.
- Packaging:

32 kg kits:

- component A: 22 kg bags;
- component B: 10 kg tanks.



# Mapeproof

Bentonite waterproofing sheets for structures below ground level, suitable for both horizontal and vertical surfaces.



CMO1P

EC 1

#### TECHNICAL DATA:

**Lower layer of geo-textile fabric:** polypropylene fabric, 140 g/m².

Upper layer of geo-textile fabric: non-woven polypropylene

Fabric, 220 g/m<sup>2</sup>.

Layer of bentonite: natural sodium.

Aeric mass of bentonite (EN 14196) (12% humidity):

5.1 kg/m<sup>2</sup>

5.1 kg/m². Swelling index (ASTM D 5890): 28 ml/2 g. Coefficient of permeability (ASTM D 5887): < 1E-11 m/s. Static perforation (EN ISO 12236): 2400 N. Longitudinal tensile strength (EN ISO 10319): 14.0 kN/m. Transversal tensile strength (EN ISO 10319): 14.0 kN/m. Peeling (ASTM D 6496): 600 N/m.

Bond strength to concrete (ASTM D 903): 3.5 N/mm. Thickness of product (EN 964-1): 6.5 mm.

Seal of overlaps: the geo-composite product is self-sealing. Packaging:

1.1 m x 5 m rolls; 2.5 m x 22.5 m rolls; 5 m x 40 m rolls



# Mapeproof BA Tape NEW

Watertight, doublesided adhesive sheet membrane which are placed along fillet joints between horizontal and vertical surfaces and between adjacent vertical surfaces in MAPEPROOF FBT waterproofing systems.



Width: 330 mm. Thickness: 1.75 mm. Weight:  $\geq 1.70 \text{ kg/m}^2$ . Storage: 12 months. Packaging: 20 m rolls.



Mapeproof CD

Washers used to fasten MAPEPROOF bentonite sheets in place.

#### **TECHNICAL DATA:**

Packaging: boxes of 500 pieces.



# Mapeproof FBT NEW

Synthetic fully-bonded waterproof sheet membrane, laminated with non-woven fabric for waterproofing underground structures.



### **TECHNICAL DATA:** Width: 1000 mm.

Thickness: 1.7 mm. Weight:  $\geq 1.3 \text{ kg/m}^2$ .

Watertightness (no lateral migration) according to ASTM D 5385 mod. (bar):  $\geq 7$ .

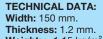
Storage: 24 months.

Packaging: pallets with 15 rolls (20 x 1 m).



# Mapeproof FBT Tape NEW

Adhesive tape to form sealed joints over the top of adjacent sheets of MAPEPROOF FBT SYSTEM.



Weight:  $\geq 1.15 \text{ kg/m}^2$ . Storage: 12 months. Packaging: 20 m<sup>2</sup> rolls.



# Mapeproof Fix Tape NEW

Double-sided adhesive tape to hold sheets of MAPEPROOF FTB in place during installation.

#### **TECHNICAL DATA:**

Width: 200 mm. Thickness: 0.61 mm. Weight:  $\geq 0.67 \text{ kg/m}^2$ . Storage: 12 months. Packaging: 25 m rolls.



# Mapeproof LW

Bentonite waterproofing sheets for use on horizontal and vertical structures below ground level with a maximum water table of 5 metres.



Lower layer of geo-textile fabric: polypropylene fabric,

120 g/m<sup>2</sup>

Upper layer of geo-textile fabric: non-woven

polypropylene fabric, 220 g/m². **Layer of bentonite:** natural sodium. **Aeric mass of bentonite (EN 14196) (12% humidity):** 

Swelling index (ASTM D 5890): 28 ml/2 g.
Coefficient of permeability (ASTM D 5887): < 1E-11 m/s.
Static perforation (EN ISO 12236): 2000 N.
Longitudinal tensile strength (EN ISO 10319): 12.0 kN/m.
Transversal tensile strength (EN ISO 10319): 12.0 kN/m.

Peeling (ASTM D 6496): 600 N/m.

Bond strength to concrete (ASTM D 903): 2.8 N/mm.

Thickness of product (EN 964-1): 6.0 mm.

eal of overlaps: the geo-composite product is self-sealing.

- Packaging:
   2.5 m x 22.5 m rolls;
   5 m x 40 m rolls.



# Mapeproof Mastic

Bentonite paste made from natural sodium bentonite and plasticising additives for sealing elements which pass through surfaces.

### TECHNICAL DATA:

Density: 1.50 kg/dm<sup>3</sup>.

#### Composition:

- 50% natural sodium bentonite;
- 50% non-toxic plasticising agents.

Behaviour in water: the bentonite hydrates freely and

Behaviour in air: does not dry. Packaging: 15 kg drums.



# Mapeproof SA Tape NEW

Adhesive tape to form sealed joints under adjacent sheets of MAPEPROOF FBT SYSTEM.

# **TECHNICAL DATA:**

Width: 200 mm. Thickness: 0.48 mm. Weight: 0.48 kg/m<sup>2</sup>. Storage: 12 months. Packaging: 20 m rolls.



# Mapeproof Seal

Natural sodium bentonite in powder form for localised strengthening of waterproofing layers made using MAPEPROOF bentonite sheets.

### TECHNICAL DATA:

Montmorillonite (XRD): > 95%.

Free swelling (ASTM D 5890): > 27 ml/2 g.

Fluid loss (ASTM D 5891): < 18 ml.

Absorption of methylene blue: > 400 mg/g. Liquidity limit (UNI 10040): > 550%.

**Water absorption (ASTM E 946/43):** > 750%.

1500/1000 Marsh viscosity: 38-40".

pH of filtered water: 9. Packaging: 25 kg paper bags.



Mapeproof SW

Bentonite sheet for waterproofing structures below ground level where saline water is present.



#### **TECHNICAL DATA:**

Lower layer: polypropylene fabric.
Upper layer: non-woven polypropylene fabric.
Layer of bentonite: natural sodium bentonite admixed with polymers resistant to contaminants

Areal density (EN 14196) (12% humidity): 5.3 kg/m<sup>2</sup>. Swelling index (ASTM D 5890): 28 ml/2 g.

Hydraulic conductivity (ASTM D 5887): 1E-11 m/s. Static puncture resistance (EN 12236): 2.4 kN. Longitudinal tensile strength (EN ISO 10319):

14.0 kN/m.

Transversal tensile strength (EN ISO 10319): 14.0 kN/m.

Peeling (ASTM D6496): 625 kN.

Adhesion to concrete (ASTM D 903): 3.1 N/mm. Thickness of product (EN ISO 9863-1): 6.5 mm.

Packaging: 5 m wide x 40 m long rolls.



# Mapeproof Swell

Hydro-expansive, rubber-based hydrophilic sealant paste in tubes, applied using an extrusion pistol.

#### TECHNICAL DATA:

Consistency: thixotropic paste. Solubility: non-soluble in water. Dry solids content: 90%. Storage: 12 months.

**Application temperature range:** from +5°C to +40°C. Volumetric expansion in water: minimum 100%. Formation of skin: 180-200 min.

Polymerisation time: 2 mm every 9 hours.

Consumption: approximately 320 ml every 3 metres. Shore A hardness (DIN 53505): 32. Elongation (DIN 53504): > 700%.

Ultimate strength (DIN 53504): 2.5 N/mm<sup>2</sup>. Modulus of elasticity at 100% elongation

(DIN 53504): 0.55 N/mm<sup>2</sup>

Tear strength (ISO 34-1): 10 N/mm.

Water-tightness: 1 atm.

Packaging: boxes containing 6 320 ml cartridges.



# Mapethene HT

Self-adhesive bitumen waterproofing membrane for underground structures suitable for application at temperatures up to +45°C.



TECHNICAL DATA: Width (mm): 1000. Thickness (mm): 1.5. Weight (kg/m²): 1.5.

Packaging: 20 m<sup>2</sup> rolls.





Application temperature: from+10°C to +45°C. Impermeable to water (bar): 8.





# Mapethene LT

Self-adhesive bitumen waterproofing membrane for underground structures suitable for application at temperatures down to -5°C.



**TECHNICAL DATA:** Width (mm): 1000. Thickness (mm): 1,5. Weight (kg/m²): 1,5.

Application temperature: from -5°C to +20°C.

Impermeable to water (bar): 8.

Packaging: 20 m<sup>2</sup> rolls.



Mapethene Primer

Solvent-free bitumen primer for membranes from the MAPETHENE line.

#### **TECHNICAL DATA:**

Consistency: fluid. Colour: black.

Density (kg/m³): 1.00.

Dry solids content (%): 42.

Viscosity (mPa·s): 12,000 (ago 5, 20 RPM).

Application temperature: from -5°C to +40°C.

Drying time (min): approx. 45. Consumption: 0.1-0.2 kg/m<sup>2</sup>. Packaging: 10 kg drums.



Mapethene Primer W

One-component primer for membranes from the MAPETHENE line applied at low temperatures.

**TECHNICAL DATA:** 

Consistency: fluid.

Colour: black.

Density (kg/m³): 1.00.

Dry solids content (%): 49.

Viscosity (mPa·s): 12,000 (ago 5, 20 RPM).

Application temperature: from -5°C to +40°C. Drying time (min): approx. 45.

Consumption: 0.1-0.15 kg/m<sup>2</sup>. Packaging: 10 kg drums.



# Planiseal 88 (former Idrosilex Pronto)

Osmotic cementitious mortar suitable for contact with drinking water, for waterproofing masonry and concrete structures.



MC-IR

#### **TECHNICAL DATA:**

Consistency: powder. Pot life of mix: approx. 1 h. Classification: EN 1504-2.

Storage: 12 months.

Consumption: 1.5 kg/m<sup>2</sup> per mm of thickness.

Packaging: 25 kg bags.



### Planiseal 288

Two-component cementitious mortar for waterproofing structures below ground level and storage tanks.



### TECHNICAL DATA:

Consistency: fluid; applicable by brush.

Colour: grey or white.

Mixing ratio: comp. A : comp. B = 4 : 1. Pot life of mix: approx. 1 h (at +20°C).

Application temperature: +5°C to +35°C.

Minimum applicable thickness: 2 mm in 2 coats. Classification: EN 1504-2 - coating (C) principles MC

Storage: comp. A 12 months, comp. B 24 months.

Application: spreader, brush or roller. Consumption: approx. 1.9 kg/m² per mm of

thickness.

Packaging: 25 kg unit:

- component A: 20 kg bag;

- component B: 5 kg can.



### **Plastimul**

Bitumen waterproofing emulsion for general purpose use.



#### TECHNICAL DATA:

Consistency: thick paste.

Density: 1.2 g/cm<sup>3</sup>.

**pH:** 10.

Dry solids content: approx. 76%.

Storage: 12 months.

Minimum application temperature: +5°C.

**Consumption:** approx. 1.7 kg/m² per mm of dry product depending on the substrate. **Packaging:** 12 and 30 kg drums.





# Plastimul 1K Super

One-component, solvent-free, quickdrying, low-shrinkage, high-yield, high flexibility bitumen waterproofing emulsion containing polystyrene spheres and rubber granules.



### **TECHNICAL DATA:**

Consistency: paste. Density: 0.65 g/cm<sup>3</sup>.

**pH:** 10.

Dry solids content: approx. 73%.

Storage: 12 months.

Application temperature range: from +5°C to +30°C.

Drying time: approximately 2 days.

Consumption: 0.8 kg/m² per mm of thickness of dry product according to the type of substrate.

Packaging: 19.5 kg and 7.8 kg drums.



# Plastimul 2K Plus

Two-component, solvent-free, quickdrying, low-shrinkage, high flexibility bitumen waterproofing emulsion containing cellulose fibres.



#### **TECHNICAL DATA:**

Consistency: paste Density: 1.1 g/cm<sup>3</sup>.

**pH:** 10.

Dry solids content: 67%.

Storage: 12 months.

Application temperature range: from +5°C to +30°C.

Mixing ratio: comp A : comp B = 22 : 8.

Workability time: 2 hours.

Drying time: approximately 2 days.

Consumption: 1.5 kg/m² per mm of thickness of dry product according to the type of substrate.

Packaging: 30 kg units (A+B = 22+8).



### Plastimul 2K Reactive

Two-component, solvent-free, ecocompatible, with high elasticity, instant bitumen waterproofing emulsion, applied by airless spray.









#### **TECHNICAL DATA:**

Consistency: liquid.

Mixing ratio: A : B = 10 : 1. Density comp. A: 1 kg/dm<sup>3</sup>. **pH comp. A:** 11.5-12.5. **pH comp. B:** 6.5-8.5.

Storage: 6 months.

Application temperature range: from +5°C to +30°C. Consumption: 1.3 kg/m<sup>2</sup> per mm of thickness of dry product, depending to the substrate.

Packaging:

- component A: 30 kg drums and 1000 kg tanks;

- component B: 25 kg tanks.



# Plastimul 2K Super

Two-component, solvent-free, low-shrinkage, high yield, high-flexibility bitumen waterproofing emulsion containing polystyrene spheres.



#### **TECHNICAL DATA:**

Consistency: paste. Density: 0.75 kg/dm<sup>3</sup>.

**pH:** 9-11

Dry solids content: 65%.

Storage: 12 months.

Application temperature range: from +5°C to +30°C.

Mixing ratio: comp A : comp B = 16.9 : 6. Workability time: 3 hours.

Drying time: approximately 1-2 days.

Consumption: 0.8 kg/m² per mm of thickness of fresh

product according to the type of substrate. **Packaging:** 22.9 kg units.





### Plastimul C

Solvent-free concentrated bitumen emulsion for treating substrates before applying waterproofing products from the PLASTIMUL line.



Consistency: paste.
Density (g/cm³): approx. 1.1.

**pH:** 10.

Mixing ratio: 1:10 (PLASTIMUL C : water).

Storage: 12 months.

**Application temperature:** from +5°C to +30°C. **Consumption:** approx. 100-200 g/m<sup>2</sup>.

Packaging: 5 kg drums.



### Plastimul Primer

Solvent-free, bitumen primer for treating substrates before applying waterproofing products from the PLASTIMUL range.



Consistency: thixotropic, liquid.

Density: 1 kg/l.

**pH:** 10.

Dry solids content: 20%.

Storage: 12 months.

Application temperature range: from +5°C to +30°C

(temperature of substrate).

Condition of substrate: dry, slightly damp. Application of coating products: after hardening.

Consumption: 0.2-0.3 kg/m<sup>2</sup>. Packaging: 30 kg drums.



### Plastimul Primer SB

High-performance rapid-drying solventbased bituminous primer for treating concrete surfaces before applying PLASTIMUL 2K REACTIVE.

#### **TECHNICAL DATA:**

Consistency: liquid. Colour: black.

Density (g/cm³): approx. 0.9. Dry solids content (%): 50.

Application temperature: +5°C to +35°C. Condition of substrate: dry or slightly damp. Consumption (depending on roughness and absorbency of substrate): approx. 200 g/m<sup>2</sup>.

Packaging: 18 kg drums.



# Resfoam 1 KM

One-component, ultra-fluid polyurethane resin applied by injection for waterproofing structures and ground and rocks subject to intense percolating water. The reaction time may be regulated.

#### TECHNICAL DATA:

Mixing ratio: resin: catalyst = 1: 0.1-0.2 by weight.

Storage: 6 months. Application: injection.

Consumption: in the open air, a mixture of 1 kg of RESFOAM 1 KM (resin) + 0.1 kg of RESFOAM 1 KM AKS (catalyser) forms 50 litres of foam upon contact with 0.1 litre of water.

- Packaging:
   RESFOAM 1 KM (resin): 20 kg plastic drums.
- RESFOAM 1 KM AKS (catalyser): 1 kg plastic drums.



Additix P NEW

Thixotropising agent for PURTOP EASY.

#### **TECHNICAL DATA:**

Consistency: liquid.

Colour: yellowing.
Consumption: 0.9 every 25 kg of PURTOP EASY.

Storage: 12 months. Packaging: 0.9 kg.

# 27.2 Waterproofing structures above ground level



# Aquaflex

Liquid membrane used to form a permanent shell around asbestos cement and for forming waterproof membranes on mineral-based substrates.

#### **TECHNICAL DATA:**

Consistency: paste. Colour: white, red and grey.

Specific gravity: 1.4 g/cm<sup>3</sup> Dry solids content: 70%.

Waiting time between each coat: from 2 to 12 hours. Application temperature range: from +5°C to +40°C.

Storage: 24 months.

Application: roller, brush, trowel or spray.

Consumption: approx. 0.7 kg/m² for each coat, which corresponds to a wet thickness of 0.5 mm (final dry

thickness 0.35 mm). Packaging: 5 and 20 kg.



# **Primer for Aquaflex**

Synthetic resin primer in solvent, specifically formulated for bitumen surfaces in asbestos cement and surfaces with unknown adherence properties.

### **TECHNICAL DATA:**

Consistency: fluid liquid. Colour: transparent. Specific gravity: 1.1 g/cm<sup>3</sup>. Dry solids content: 50%

Waiting time before applying other products:

6-8 hours.

Storage: 24 months.

Application: roller, brush or spray. Consumption: approx. 0.16 kg/m<sup>2</sup>.

Packaging: 6 kg.



# Aquaflex Roof

Ready-to-use flexible liquid membrane with fibres for continuous waterproofing layers on exposed external surfaces.



#### **TECHNICAL DATA:**

Consistency: paste.

Application temperature range: from +5°C to +35°C. Waiting time between first and second coat:

approximately 8-12 hours.

Set to light foot traffic: 12 hours at +23°C.

Minimum applicable thickness: 1 mm in 2 coats. **Colour:** white, grey, brick red, oxide red, green, RAL 6005, RAL 7013 and RAL 9005.

Storage: 24 months.

Application: roller, brush or trowel.

#### **Consumption:**

- waterproofing membrane: at least 2 kg/m²;
- protective finish on bituminous substrates:
- approx. 0.5 kg/m² on smooth membranes
   approx. 0.9 kg/m² on membranes with a slate-chip

Packaging: 5 and 20 kg drums.



# **Aquaflex Roof HR**

Fibre-filled liquid membrane in water emulsion with high solar reflectance and thermal emittance with a solar reflectance index (SRI) of 105.



#### **TECHNICAL DATA:**

Consistency: paste.

Application temperature range: from +5°C to +35°C. Waiting time between first and second coat: 8-12 hours

Set to foot traffic: 12 hours at +23°C.

**Colour:** highly reflective white. **Storage:** 24 months.

Application: roller, brush or trowel.

Consumption:

- waterproofing membrane: at least 2 kg/m²;
- protective finish on bituminous substrates:
- approx. 0.5 kg/m² on smooth membranes
   approx. 0.9 kg/m² on mineral-fined membranes.

Packaging: 20 kg drums.



# **Aquaflex Roof Plus**

Ready-mixed, high-elasticity, quickdrying, UV-resistant liquid waterproofing membrane.



#### **TECHNICAL DATA:**

Consistency: paste.

Colour: highly reflective white, grey, terracotta, green.

Density (g/cm<sup>3</sup>): 1.25.

Dry solids content (%): 66.

Application temperature: +5°C to +35°C. Service temperature: -5°C to +80°C (without reinforcement); -10°C to +80°C (with MAPETEX 50).

Consumption:

- 0.9 kg/m² (used as protective finish or reflective coating over existing bitumen membranes);
  - 2 kg/m² (used as waterproofing membrane).
- Packaging: 5 and 20 kg drums.



# **Aquaflex Roof Premium**

Ready-mixed, water-based, VOC-free polyurethane waterproof membrane resistant to foot traffic and standing water.



#### TECHNICAL DATA:

Consistency: paste.

Colour: high-reflectance white, RAL 7038 grey, RAL 7039, 2500 N grey and terracotta.

Density (g/cm³): 1.25. Dry solids content (%): 60.

Application temperature: from +5°C to +35°C. Consumption: protective finish or reflective coating on an old bitumen membrane: 0.9-1 kg/m<sup>2</sup>

Waterproof membrane: 1.5-2 kg/m<sup>2</sup>. Packaging: 5 and 20 kg drums.



**Drain Front** 

TPE angular pipe union for terraces and balconies.



Colour: ivory and copper.

Packaging: boxes of 5 pieces.



# **Drain Vertical/Drain** Lateral

Kit for installing floor drains, ideal for draining off water from terraces, balconies, bathrooms, boiler rooms, wash-rooms, etc.

#### TECHNICAL DATA:

Diameter: 50, 70 and 100 mm. Packaging: 1 kg kits including:

- vertical or lateral polypropylene drain-pipe
   available in 3 diameters (50, 75 and 90 mm) for
   DRAIN LATERAL and 5 diameters (50-75-82-90-100 mm) for DRAIN VERTICAL, with a welded 400x400 mm polypropylene drain-cover;
- telescopic extension;
   "anti-odour" plug;
   removable stainless steel grate.



### Isamite

Bitumen paint in solvent.

#### TECHNICAL DATA:

Consistency: fluid. Colour: black. Density (g/cm³): 100.

Dry solids content (%): approx. 50.

Dust dry: 15-20 minutes.

Consumption:

- 100-150 g/m² per coat on metal and non-absorbent surfaces;
- 250-300 g/m<sup>2</sup> per coat on concrete and wood. Packaging: 10 kg (ADR approved packing).



# Mapecoat Filler NEW

Micrometric filler material in polyamide used to create surfaces with a non-slip finish.

#### **TECHNICAL DATA:**

Consistency: powder. Colour: white. Storage: 24 months. Packaging: 2 kg.



# Mapecoat PU 20 N NEW

Two-component coloured aliphatic polyurethane topcoat for membranes from the PURTOP line.

#### **TECHNICAL DATA:**

Consistency: liquid.

Colour: according to RAL colour available. Mixing ratio A/B (by weight): 4.3:0.7. Pot life of the mix: 60 minutes at +23°C. Consumption: approx. 0.15-0.2 kg/m<sup>2</sup>. Storage: 12 months.

Packaging:

- 20 kg kit, comp. A 17.2 kg and comp. B 2.8 kg;5 kg kit, comp. A 4.3 kg and comp. B 0.8 kg.



# Mapecoat PU 25 NEW

Two-component coloured aliphatic polyurethane topcoat for membranes from the PURTOP line when used in swimming pools or decorative ponds.

#### **TECHNICAL DATA:**

Consistency: liquid.
Colour: according to RAL colour available.
Mixing ratio A/B (by weight): 4.3:0.7.
Pot life of the mix: 60 minutes at +23°C. Consumption: approx. 0.15-0.2 kg/m<sup>2</sup>.

Storage: 12 months.

Packaging: comp A 17.2 kg and comp. B 2.8 kg.



# Mapecoat TC

Wear-resistant coloured aliphatic polyurethane finish for membranes from the PURTOP line.

#### TECHNICAL DATA:

Mixing ratio: 100/20.

Colour of the mix: RAL 5014, RAL 6002, RAL 7001, RAL 7004, RAL 7016, RAL 7032, RAL 7035, RAL 7037.

Density of mix: 1.25 g/cm<sup>3</sup>.

Application temperature: +5°C to +35°C. Consumption: 0.6-0.8 kg/m<sup>2</sup> (two coats of product).

Packaging: 18 kg kit (A: 15 kg, B: 3 kg).



# Mapeguard WP 200

Alkali-resistant waterproofing and anti-fracture membrane for internal use; suitable for overlaying with ceramic, natural stone and LVT floors.

### TECHNICAL DATA:

Material: product made up of three layers of polypropylene/polyethylene.

Colour: blue.

Thickness of membrane (mm):  $> 200 \mu m$ . Size: 30 m x 1 metre and 5 m x 1 metre rolls.



# Mapeguard **WP** Adhesive

Two-component, rapid-drying, elastic cementitious adhesive for bonding and sealing overlaid MAPEGUARD WP 200 and relative special pieces.



#### **TECHNICAL DATA:**

Colour of mix: brown.

Mixing ratio: comp. A : comp. B = 1 : 0.9. Pot life of mix: more than 45 minutes. **EMICODE:** EC1 R Plus - very low emission. Storage: comp. A 12 months, comp. B 24 months.
Packaging: 6.65 kg kit (component A 3.5 kg +

component B 3.15 kg).



# Mapegum EPX/ Mapegum EPX-T

Two-component epoxy-polyurethane resin used to form flexible waterproof and chemical-resistant coats before bonding ceramic.



#### TECHNICAL DATA:

Consistency: creamy paste. Density: 1,400 kg/m³.

Application temperature range: from +10°C to +30°C. Temperature when in use: from -30°C to +80°C.

Set to light for traffic: after 24 hours.

Ready for use: after 3 days

Storage: 24 months in original packaging in a dry

**Consumption:** 1.4 kg/m<sup>2</sup> per mm of thickness. **Packaging:** comp. A 8.7 kg; comp. B 1.3 kg.



# Mapegum WPS

Quick-drying flexible liquid membrane for waterproofing internal surfaces.



#### TECHNICAL DATA:

Consistency: paste.

Density of the mix: 1.45 g/cm<sup>3</sup>.

Dry solids content: 73%.

Storage: 24 months.

Minimum filming temperature: +5°C.

Application temperature range: from +5°C to +35°C. Time for complete drying of a 2 mm thick layer:

5 hours at +23°C.

Time for complete drying of a 2 mm thick layer:

12 hours at +5°C

Waiting time before laying coating: 12-24 hours. EMICODE: EC1 Plus - very low emission.

Consumption: 1.5 kg/m<sup>2</sup> per mm of thickness. Packaging: 5, 10 and 25 kg drums.



# Mapelastic

Two-component, flexible cementitious mortar for waterproofing balconies, terraces, bathrooms and swimming pools.











### **TECHNICAL DATA:**

Consistency of mix: plastic-trowable. Mixing ratio: comp. A: comp. B = 3:1. Pot life of mix: approximately 1 hour.

Application temperature range: from +5°C to +35°C. Minimum applicable thickness: 2 mm in 2 coats. Classification: EN 1504-2 - coating (C) principles PI, MC and IR and EN 14891 norm.

EMICODE: EC1 R Plus - very low emission.

Storage: 12 months comp. A, 24 months comp. B. Application: trowel or by spray.

Consumption:

- trowel: 1.7 kg/m<sup>2</sup> per mm of thickness;
- spray: 2.2 kg/m² per mm of thickness.

#### Packaging:

- 32 kg units: 24 kg bags + 8 kg tanks;
- 16 kg units: 2x6 kg sachets + 4 kg tanks.



# Mapelastic AquaDefense

Ready-to-use, ultra quick-drying, flexible liquid membrane for waterproofing internal and external surfaces.





#### **TECHNICAL DATA:**

Consistency: paste.

Application temperature range: from +5°C to +35°C at +23°C and 50% R.H..

Waiting time between first and second coat: approximately 1 hour (at +23°C and 50% R.H.). Waiting time before laying coating: 3-4 hours (at +23°C and 50% R.H.). Times refer to +23°C and 50% relative humidity of the air when the product is applied on dried screeds with a residual moisture lower than 3%.

Minimum applicable thickness: 0.8 mm in 2 coats.

Storage: 24 months

Application: roller, brush or trowel.

Consumption: 1.3 kg/m² per mm of thickness. Packaging: 7.5 kg and 15 kg drums.



# Mapelastic Smart

Two-component, high-flexibility cementitious mortar (with crack-bridging > 2 mm), applied by trowel or with a roller, for waterproofing balconies, terraces, bathrooms and swimming pools.



#### **TECHNICAL DATA:**

Consistency of mix: fluid-brushable. Mixing ratio: comp. A: comp. B = 2:1. Pot life of mix: approximately 1 hour.

Application temperature range: from +5°C to +40°C. Minimum applicable thickness: 2 mm in 2 coats. Classification: EN 1504-2 - coating (C) principles PI, MC and IR and EN 14891 norm.

**EMICODE:** EC1 R Plus - very low emission. Storage: 12 months comp. A, 24 months comp. B.

Application: brush, roller or spray.

#### Consumption:

- trowel or roller: 1.6 kg/m² per mm of thickness;

- spray: 2.2 kg/m² per mm of thickness.

Packaging: 30 kg units: 20 kg bags + 10 kg tanks.



# Mapelastic Turbo

Two-component rapid-drying elastic cementitious mortar for waterproofing terraces and balconies, including at low temperatures and on substrates not completely dry.



CMO1P

EC 1













#### **TECHNICAL DATA:**

Consistency of mix: fluid.

Mixing ratio: comp. A: comp. B = 1: 0.8.

Pot life of mix: more than 45 mins.

Application temperature: from +5°C to +35°C.

Minimum applicable thickness: 2 mm in two coats with reinforcement embedded between the two layers. Classification: EN 1504-2 - coating (C) principles PI, MC and IR, produced in compliance with EN 14891 norm.

EMICODE: EC1 R Plus - very low emission. **Storage:** 12 months component A, 24 months component B.

Application: trowel.

Consumption: approx. 2.4 kg/ m<sup>2</sup> (for two coats of product with reinforcement embedded between the two

Packaging: 36 kg kit: 20 kg bags + 16 kg tanks, 18 kg kit: 10 kg bags + 8 kg tanks.



# Mapenet 150

Alkali-resistant glass fibre mesh (in compliance with the ETAG 004 guide) for reinforcing protective waterproofing layers, anti-fracture membranes and thermal insulation systems.

# TECHNICAL DATA:

Colour: blue.

**Weight:**  $150 \text{ g/m}^2 \pm 5\%$ . Mesh size: 4x4.5 mm. Storage: unlimited.

Packaging: 50 m x 1 m rolls.



# MapeSlope

One-component cementitious levelling mortar for building up slopes on roofs over new and old waterproof sheaths.

#### **TECHNICAL DATA:**

Consistency: powder. Colour of mix: light grey. Applicable thickness (cm): up to 5. Mixing ratio: 4.5-5.0 litres per bag. Consumption (kg/m² per cm): 18.5. Packaging: 25 kg bags.



Mapetex 50

Non-woven polypropylene fabric (weight 50 g/m²) for reinforcing waterproof membranes.

TECHNICAL DATA:

Appearance: black non-woven fabric.

Appearance: black non-woven fabric.
Weight: 50 g/m².
Tensile strength:
- 70 N (lengthways);
- 60 N (widthways).
Elongation at failure:
- > 95% (lengthways);
- 995% (widthways).
Packaging: 25 m x 100 cm and 25 m x 20 cm wide rolls

wide rolls.



Mapetex FG NEW

Glass fiber reinforcing mat for PURTOP EASY.

#### TECHNICAL DATA:

Appearance: glass fiber reinforcing mat with random

fiber orientation. Colour: off-white. Storage: 24 months. Packaging: 50 x 1 m rolls.



Mapetex Sel

Macro-holed, non-woven polypropylene fabric for reinforcing waterproofing membranes.

### **TECHNICAL DATA:**

Weight: 80 g/m<sup>2</sup>. Thickness: 0.6 mm. Tensile strength: 5 KN/m. **Deformation at maximum strain:** 

- 90% in a longitudinal direction; - 60% in a transversal direction. Packaging: 25 m x 1 m rolls.



Monolastic (

One-component cementitious waterproofing mortar.



#### **TECHNICAL DATA:**

Consistency of mix: plastic-trowable. Dry solids content: 100%. Classification: EN 14891. Storage: 12 months.

Mixing water: 27-29%.

Pot life of mix: approximately 1 hour.

Application temperature range: from +5°C to +35°C.

Minimum thickness per coat: 1 mm. Maximum thickness per coat: 2 mm. Consumption: 1.1 kg/m² per mm of thickness.

Packaging: 20 kg vacuum-packed polyethylene bags.





### Primer BI

Synthetic resin primer in solvents, specifically developed for improving adhesion of polyurethane coating products (from the PURTOP range) on existing bituminous membranes.



Colour: transparent. Consistency: fluid liquid. Density: 0.96 g/cm<sup>3</sup>.

Dry solids content (%): 10.

Storage: 24 months in its original sealed packaging.

Application temperature range: from +5°C to +35°C.

Ready for painting over: 2-4 hours.

**Drying time:** 5-6 hours at +20°C. **Consumption:** 0.20 kg/m² per coat, depending on the

type of the substrates. Packaging: 10 kg.



### Primer EP4 Fast NEW

Two-component solvent-free epoxy primer for damp substrates.

#### **TECHNICAL DATA:**

Consistency: creamy.

Waiting time between each coat: 5-6 hours at

Colour: white.

Consumption: 2.5 kg/m<sup>2</sup> corresponds to a dry coat approx. 2 mm thick.

Storage: 12 months.

Packaging: comp A 12.2 kg and comp. B 2.8 kg.



### Primer EP 100W NEW

Two-component solvent-free waterbased epoxy primer for non-absorbent substrates.

#### **TECHNICAL DATA:**

Consistency: liquid.

Colour: beige.

Mixing ratio A/B (by weight): 1:3.

Pot life of the mix: 90 minutes at +23°C. Consumption: approx. 0.15-0.3 kg/m<sup>2</sup>.

Storage: 12 months.

Packaging:

- 20 kg kit, comp. A 5 kg and comp. B 15 kg;

- 4 kg kit, comp. A 1 kg and comp. B 3 kg.



### **Primer P1**

One-component solvent-based primer for polyurea coatings (from the PURTOP line) on plastic surfaces such as PVC.

#### TECHNICAL DATA:

Consistency: transparent liquid.

Colour: yellowish. Density (g/cm³): 0.86.
Dry solids content (%): 10.

Viscosity (mPa s): approx. 33 (No. 1 rotor, 100 rpm). Application temperature: +5°C to +35°C.

Recoat time (mins.): 30 to 60.

Consumption: 0.1-0.2 kg/m<sup>2</sup>. Packaging: 50 kg tanks.



#### **Primer P2**

One-component solvent-based primer for polyurea coatings (from the PURTOP line) on plastic surfaces such as TPO.

#### TECHNICAL DATA:

Consistency: transparent liquid.

Colour: yellowish.

Density (g/cm³): 0.89.

Dry solids content (%): 10.

Viscosity (mPa s): approx. 22 (No. 1 rotor, 100 rpm).

Application temperature: +5°C to +35°C. Recoat time (mins.): 30 to 60.

Consumption: 0.1-0.2 kg/m<sup>2</sup>. Packaging: 50 kg tanks.



### **Primer P3**

Two-component solvent-based polyurethane primer for products from the PURTOP line.

#### TECHNICAL DATA:

Consistency: comp. A liquid; comp. B liquid. Colour: comp. A transparent yellow; comp. B dark

**Density (g/cm³):** comp. A 0.9÷1.1; comp. B 0.9÷1.2. Dry solids content (%): comp. A approx. 90; comp. B 100.

Viscosity (mPa·s): comp. A 350÷500 (needle 2, 50 rpm); comp. B 70÷110 (needle 1, 100 rpm).

A/B ratio (in weight): 100/37.

Application temperature: +5°C to +35°C.

Workability time (mins.): approx. 30.

Recoat time for polyurethane finishes (h): 4.

Recoat time for bitumen membranes (h): 2-4.

Consumption: 0.1-0.2 kg/m².

Packaging: 5+1.20 kg units (A+B); 1.24 kg units.



### Primer PU Fast NEW

Two-component solvent-free epoxy primer for damp substrates.

#### **TECHNICAL DATA:**

Consistency: liquid. Colour: light brown.

Mixing ratio A/B (by weight): 45:55. Pot life of the mix: 35 minutes at +23°C. Consumption: approx. 0.15-0.3 kg/m<sup>2</sup>.

Storage: 12 months.

Packaging: comp A 4.5 kg and comp. B 5.5 kg.



# Purtop 400 M

Two-component, solvent-free, spray applied, hybrid polyurea membrane applied in sito using a high-pressure, bi-mixer type pump to form waterproof coatings on bridge decks and flat roofs.



#### **TECHNICAL DATA:**

A/B ratio (by volume): 100/100. Classification: EN 1504-2.

Application: by spray with a high-pressure bi-mixer

Consumption: 2.2 kg/m² per 2 mm of thickness. Packaging:

- component A: 210 kg drums;

- component B: 225 kg drums.



# Purtop 600

Two-component, solvent-free, hybrid polyurea membrane applied by spray with a high-pressure, bi-mixer type pump, to form waterproof coatings on new and old buildings directly on site (not suitable for vehicles).



#### **TECHNICAL DATA:**

A/B ratio (by volume): 100/68. Classification: EN 1504-2.

**Application:** by spray with a high-pressure bi-mixer

Consumption: 2.2 kg/m<sup>2</sup> per 2 mm of thickness.

Packaging:

- component A: 210 kg drums;

- component B: 220 kg drums.



# Purtop 1000

Two-component, solvent-free, pure polyurea membrane applied by spray with a high-pressure, bi-mixer type pump, to form waterproof coatings directly on site.



#### TECHNICAL DATA:

A/B ratio (by volume): 100/100. Classification: EN 1504-2.

Application: by spray with a high-pressure bi-mixer

Consumption: 2.2 kg/m² per 2 mm of thickness.

Packaging:

- component A: 220 kg drums;

- component B: 225 kg drums.



# Purtop ADY NEW

Admixture for applying PURTOP EASY waterproofing membranes in just one single coat.



Consistency: liquid. Colour: brown.

Mixing ratio A/B with Purtop Easy (by weight):

100:8. Storage: 12 months. Packaging: 0.5,1.2,2 litres.



### Purtop Easy NEW

One-component, elastic polyurethane waterproofing membrane.

#### **TECHNICAL DATA:**

Consistency: thick liquid.

Waiting time between each coat: 24 hours at +23°C.

Colour: white, grey, red.
Consumption: 2 kg/m² corresponds to a dry coat

approx. 1.5 mm. Storage: 12 months.



# Purtop Easy DW NEW

Two-component elastic polyurethane membrane for waterproofing drinking water tanks.

#### TECHNICAL DATA:

Consistency: creamy.

Waiting time between each coat: 5-6 hours at +23°C.

Colour: white.

Consumption: 2.5 kg/m<sup>2</sup> corresponds to a dry coat

approx. 2 mm. **Storage:** 12 months.

Packaging: comp A 12.2 kg and comp. B 2.8 kg.



# Purtop Easy T NEW

One-component transparent aliphatic polyurethane waterproofing membrane for terraces and balconies.

#### **TECHNICAL DATA:**

Consistency: liquid.

Waiting time between each coat: 8-24 hours at

Colour: transparent.

Consumption: 1 kg/m<sup>2</sup> corresponds to a dry coat

approx. 1 mm thick. Storage: 12 months. Packaging: 5 and 20 kg.



# **Purtop Easy** T Primer **NEW**

Colourless primer for non-absorbent substrates to be used before laying PURTOP EASY T.

### TECHNICAL DATA:

Consistency: thick liquid. Colour: transparent.

Touch dry: 10 minutes at +23°C. Consumption: approx. 50 kg/m<sup>2</sup>.

Storage: 12 months. Packaging: 4 kg.



# Purtop FR

Two-component, solvent-free, hybrid polyurea membrane applied by spray with a high-pressure, bi-mixer type pump, to create fire-resistant waterproof coatings in situ.



#### **TECHNICAL DATA:**

A/B ratio (in volume): 100/100. Classification: EN 1504-2.

Fire reaction class (EN 13501-1):

- D, s3-d0;

 B<sub>FL</sub> - s1 (when applied on floors).
 Reaction to external fire classification (EN 13501-5): B<sub>ROOF</sub> t1, t2, t3 and t4.

Application: by spray with a high-pressure bi-mixer

pump.

Consumption: 2.2 kg/m<sup>2</sup> (2 mm thick coat).

Packaging:

- component A: 225 kg drum;

- component B: 225 kg drum.



Purtop HA

Manually-applied two-component, polyurea waterproofing membrane. **TECHNICAL DATA:** 

A/B ratio (by weight): 100/106.5. Application: notched trowel.

Consumption: 2.6 kg/m<sup>2</sup> per 2 mm of thickness.

Packaging:

- component A: 10 kg drum; - component B: 10.7 kg drum.



# Purtop Primer Black

One-component solvent primer, specific for improving adhesion of asphalt flooring on surfaces waterproofed with products from the PURTOP range.

#### **TECHNICAL DATA:**

Consistency: liquid. Colours: black.

Application temperature range: from +5°C to +35°C.

Hardening time: 2-4 hours. Packaging: 20 kg drums.

# 27.3 Sealing and waterproofing joints and fillets



### Adesilex PG4

Two-component, thixotropic epoxy adhesive with modified rheology for bonding MAPEBAND, MAPEBAND TPE, PVC strips and Hypalon and for structural bonds.

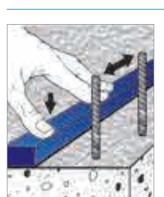


### TECHNICAL DATA:

Workability time at +23°C: 70 min. Setting time at +23°C: 5 hours. Final hardening time: 7 days. Classification: EN 1504-4.

Application: trowel or smooth trowel.

Consumption: 1.60-1.65 kg/m<sup>2</sup> per mm of thickness. Packaging: 30 kg (A+B), 6 kg (A+B) and 2 kg (A+B).



# **Idrostop**

Hydrophilic, expanding rubber profiles for waterproof working joints.

#### **TECHNICAL DATA:**

Shape: pre-formed tape.

Sizes available:

20x10 mm (IDROSTOP 10); 20x15 mm (IDROSTOP 15); 20x25 mm (IDROSTOP 25). **Storage:** 12 months.

Application temperature range using IDROSTOP MASTIC as an adhesive: from +10°C to +40°C. Waiting time before casting if laying has been carried out using IDROSTOP MASTIC: 24 hours. Waiting time before casting if fixed in place with

nails or screws: not required. Maximum width of joint: 7 mm.

Packaging:

IDROSTOP 10: 6x10 m rolls; IDROSTOP 15: 6x7 m rolls; IDROSTOP 25: 6x5 m rolls.



**Idrostop B25** 

Hydro-expanding bentonite jointing material for sealing construction joints.

**TECHNICAL DATA:** Shape: pre-formed tape. Size: 20x25 mm. Storage: 24 months.

Application temperature range: from -5°C to +50°C. Waiting time before casting: not required.

Packaging: 6x5 m rolls.



# **Idrostop Mastic**

One-component adhesive for laying IDROSTOP.



#### **TECHNICAL DATA:**

Consistency: thixotropic paste. Dry solids content: 100%. Storage: 18 months.

Application temperature range: from +5°C to +35°C.

Dust dry: 10 minutes.

Waiting time before casting: 24 hours. EMICODE: EC1 R Plus - very low emission. Consumption: approximately 300 ml each 5 linear

metres of IDROSTOP.

Packaging: boxes containing 12x300 ml cartridges.



# **Idrostop PVC BE**

PVC waterstop with external lug for sealing structural joints.



Application: mechanically.

Packaging: IDROSTOP PVC BE is available in two

- IDROSTOP PVC BE20 (width 20 cm) in 25 m-long
- IDROSTOP PVC BE24 (width 24 cm) in 25 m-long



Idrostop PVC BI

PVC waterstop with internal lug for sealing structural joints.

#### TECHNICAL DATA:

Application: mechanically.

Packaging: IDROSTOP PVC BI is available in three

- IDROSTOP PVC BI20 (width 20 cm) in 25 m-long
- IDROSTOP PVC BI25 (width 25 cm) in 25 m-long rolls
- IDROSTOP PVC BI30 (width 30 cm) in 25 m-long rolls.



Idrostop Soft

Hydro-expansive, high-flexibility bentonite jointing profile for waterproofing construction joints and second pours of concrete.



Shape: pre-formed strip.

Size: 25x20 mm.

Application: bonded in place using MAPEFLEX MS 45 or ULTRABOND MS RAPID one-component adhesives.

Application temperature range: from -15°C to

Packaging: 6x5 m rolls.



# Mapeband

Alkali-resistant rubber tape with felt for cementitious waterproofing systems and liquid sheaths.



#### TECHNICAL DATA:

In service temperature range: from -30°C to +60°C. EMICODE: EC1 Plus - very low emission. Packaging:

- 120 mmx50 m rolls;
- 120 mmx10 m rolls;
- 90° and 270° angular pieces;
- gaskets for outlets, sizes 120x120 mm and 400x400 mm;
- special cross and T pieces.



# Mapeband Easy

Rubber tape sandwiched between two layers of non-woven fabric to form elastic joints in waterproofing systems.



### TECHNICAL DATA:

Type of material: rubber sandwiched between two layers of non-woven polypropylene fabric.

Thickness: 0.68 mm.

Width: 130 mm.

Tensile strength: 45 N/15 mm. Elongation at failure: 315 %.

**EMICODE:** EC1 Plus - very low emission.

### Packaging:

- 30 m long by;
- 10 m long by;- 90° and 270° angular pieces.
- templates to make through holes (200 x 200 mm and 400 x 400 mm).



Mapeband Flex Roll

Tape for the flexible waterproofing of expansion joint and cracks.



#### **TECHNICAL DATA:**

Material: TPE.

Width: 200 mm, 300 mm, 400 mm, 600 mm and 800 mm (other sizes available upon request). **EMICODE:** EC1 Plus - very low emission.

Thickness: 2 mm. Packaging: 20 m rolls.



Mapeband PE 120

PVC tape for waterproofing systems made from liquid membranes.



#### TECHNICAL DATA:

Thickness of tape: approximately 0.7 mm. In service temperature range: from -5°C to +30°C EMICODE: EC1 Plus - very low emission.

#### Packaging:

- rolls 120 mm wide by 50 m long; - rolls 120 mm wide by 10 m long; - 90° and 270° angular pieces;
- gaskets for outlets, sizes 120x120 mm and 425x425 mm.



Mapeband SA

Self-adhesive butyl tape with alkali-resistant, non-woven fabric for elastic waterproofing systems.



#### **TECHNICAL DATA:**

Density: 1.6 g/cm<sup>3</sup>

Temperature of application: from +5°C to +30°C.

Width: 100 mm.

Thickness: approx. 2 mm.

**EMICODE:** EC1 Plus - very low emission.

Packaging: - 25 m rolls;

- gaskets for outlets, sizes 370x370 mm.



# Mapeband TPE

TPE tape for flexible sealing and waterproofing of expansion joints and cracks subject to movement.

### **TECHNICAL DATA:**

- Sizes available:
   17 cm (MAPEBAND TPE 170);
- 32.5 cm (MAPEBAND TPE 325).

Width of expanding zone:

- MAPEBAND TPE 170: 50 mm;
- MAPEBAND TPE 325: 165 mm.

Thickness: 1.2 mm.

Maximum elongation of expanding zone:

- 5 mm (MAPEBAND TPE 170);
- 10 mm (MAPEBAND TPE 325).

Packaging:

- 30 m rolls (both 170 and 325 width versions);
- special cross and T pieces (both 170 and 325 width versions).



# Mapeflex PU 30

Two-component, high-strength, thixotropic epoxy-polyurethane sealant with high chemical resistance for movements up to 10%.



#### **TECHNICAL DATA:**

Movement in service: 10%. Shore A hardness: 65. Workability time: 35 minutes.

Set to light foot traffic: 24-36 hours.

Colour: 113 grey.

Application: trowel, extrusion gun.

Consumption: 0.15 kg/linear metres (10x10 mm

Packaging: 5 kg drums (A+B).



# Mapeflex PU 40

Polyurethane sealant with a low modulus of elasticity with movements up to 25%.



#### **TECHNICAL DATA:**

Movement when in service: 25%.

Modulus of elasticity with 100% elongation:

0.3 N/mm<sup>2</sup>.

Shore A hardness: 27.

Workability: 4 hours.

Colours: white, grey 111, grey 112.
Application: extrusion pistol.

Consumption:

- 3.0 meters every 300 ml cartridge;
- 6.0 meters every 600 soft-cartridge (10x10 mm section).

Packaging: 300 ml cartridges; 600 ml soft-cartridges.



# Mapeflex PU 45 FT

Rapid-hardening paintable polyurethane sealant and adhesive with a high modulus of elasticity for movements up to 20%.



#### TECHNICAL DATA:

Movement in service: 20%.

Modulus of elasticity at 100% elongation:

0.80 N/mm<sup>2</sup>

Shore A hardness: 38. Workability time: 35 mins.

Colours: white, 111 grey, 113 grey, black.

Application: silicone gun.

**Consumption:** 3.0 meters per 300 ml cartridge, 6.0 meters per 600 ml tube (10x10 mm section). Packaging: 300 ml cartridge, 600 ml tube.



# Mapeflex PU50 SL

Castable polyurethane sealant with a low modulus of elasticity for movements up to 25%.



### TECHNICAL DATA:

Elongation at failure: > 1000%. Movement when in service:  $\pm 25\%$ .

Set to light foot traffic: according to the depth of

the joint.

Ready for use: according to the depth of the joint.

Shore A hardness: 22.

Colour: 111 grey.

**Application:** pouring, extrusion gun, pressure pump.

Storage: 12 months.

Consumption: 6.0 metres every 600 soft-cartridges

(10x10 mm section).

Packaging: boxes of 20 pieces (600 ml soft-cartridges).



# Mapefoam

Closed-cell, extruded foam polyethylene cord used as a support for elastomer sealants to gauge the correct size of flexible joints.

Supplied in hanks, total length proportional to the diameter.

### **TECHNICAL DATA:**

Density: 40 kg/m<sup>3</sup>

Tensile strength: 30 N/mm<sup>2</sup>. Water absorption: none.

Colour: grey.

In service temperature range: from -40°C to +80°C.

Packaging:

Ø 6 mm boxes of 550 m - bags of 10 m

Ø 10 mm boxes of 550 m - bags of 10 m Ø 15 mm boxes of 550 m - bags of 10 m

Ø 20 mm boxes of 350 m - bags of 10 m

Ø 25 mm boxes of 200 m  $\,$ 

Ø 30 mm boxes of 160 m

Ø 40 mm boxes of 270 m



# Mapeguard IC/ Mapeguard EC

Special shaped pieces for the MAPEGUARD WP SYSTEM waterproofing system for internal and external corners and edges.

#### TECHNICAL DATA:

Material: Product made up of three layers of polypropylene/polyethylene.

Colour: blue.

Size: 11 x 11 x 9 cm corner pieces.



# Mapeguard PC

Flexible gaskets in various diameters for the MAPEGUARD WP SYSTEM for waterproofing through pipes and drains.

#### TECHNICAL DATA:

Material: product made up of three layers of polypropylene/polyethylene.

Colour: blue.

Packaging: boxes of 25 gaskets.



# Mapeguard ST

Waterproofing tape in rolls for sealing edges and joints between sheets of MAPEGUARD WP 200.

### TECHNICAL DATA:

Material: product made up of three layers of

polypropylene/polyethylene. Colour: blue.

**Size:** 10 m x 20 cm and 30 m x 12 m rolls.



# Mapesil AC

Pure, mould-resistant, acetic silicone sealant for movements up to 25%.



#### TECHNICAL DATA:

Movement when in service: 25%.

Modulus of elasticity at 100% elongation:

0.35 N/mm<sup>2</sup>

Shore A hardness: 20.

Workability: 10'.
Colours: transparent and the 34 colours.
EMICODE: EC1 Plus - very low emission.
Application: extrusion gun.

Consumption: 3.1 metres every 310 ml cartridge

(10x10 mm section).

Packaging: 310 ml cartridges.





# Mapetape

Cold-applied self-adhesive tape for sealing and waterproofing overlapping joints and cracks. Available in various widths (50, 100, 150 and 200 mm) and coloured finishes (aluminium, lead and new copper).

#### TECHNICAL DATA:

In-service temperature: -20°C/+80°C (-20°C/+65°C if applied on surfaces with a slope

of more than 45°).

Application temperature: +5°C/+45°C.

Elongation at failure: > 20% (copper finish > 10%).

Storage: 24 months at +5°C/+30°C.



# **Ultrabond MS Rapid**

Rapid-setting, deformable, hybrid assembly adhesive for internal and external use with a high initial sucker effect.



Viscosity: thixotropic paste.

Density: 1.55 kg/l.

Open time: 5'.

Initial tensile strength: 25 N. Final shear strength: 30 kg/cm<sup>2</sup>.

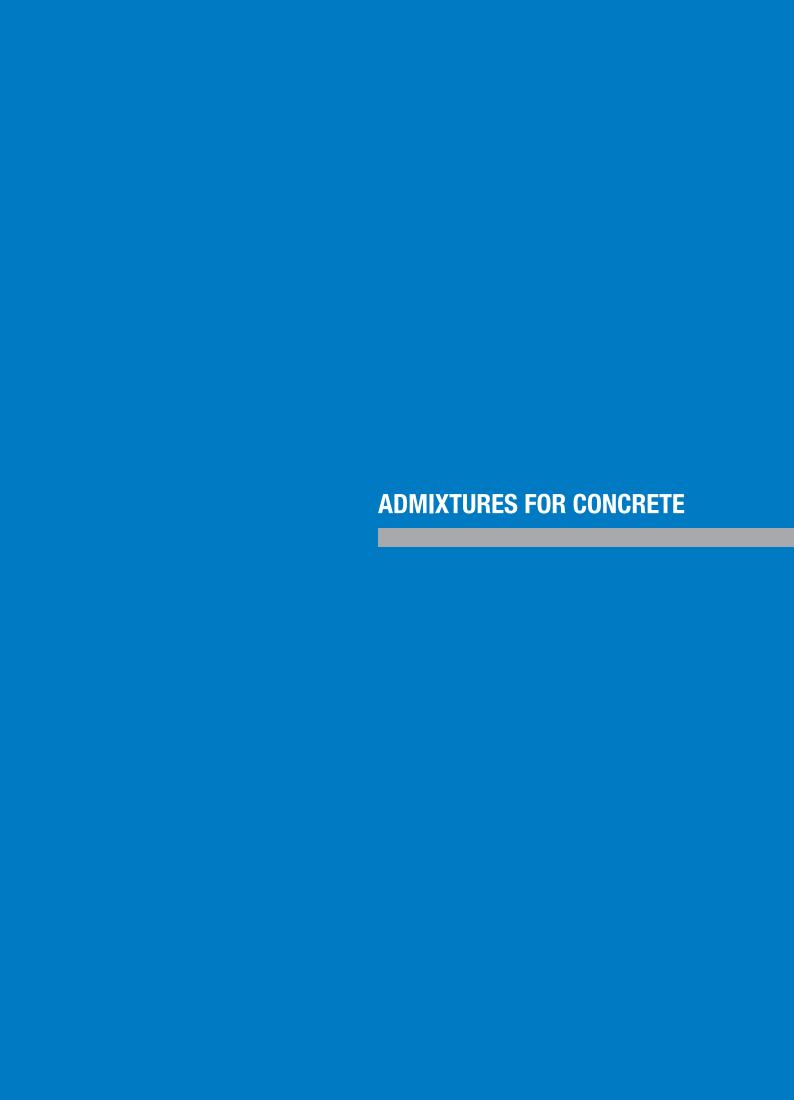
Hardening time: 2 h.
EMICODE: EC1R Plus - very low emission.

Colour: white. Application: gun.

Consumption: 5 linear metres (triangular section).

Packaging: 300 ml cartridges.





#### 28.1 Admixtures for concrete



# Cablejet

Expansive and plasticising admixture for making fluid slurries.



TECHNICAL DATA:
Dosage: 2% to 4% of weight of cement.

Packaging: 18 kg bags. Box of 4 x 3 kg water-soluble bags.



# Dynamon SX

Modified acrylic super-plasticiser for concrete, characterised by its low water/ cement ratio, very high mechanical strength and long workability times.



#### TECHNICAL DATA:

Dosage: 0.5-2 lit every 100 kg of cement for conventional concrete, or of the fine parts (through a 0.1 mm sieve) for self-compacting concrete. Packaging: 25 kg tanks.



# **Expancrete Plus NEW**

Expansive admix for controlled-shrinkage concrete.



Dosage: between 2 and 5% by weight of cement in the mix.

#### Packaging:

- 20 kg vacuum-packed polyethylene bags;
- box of 4 x 3 kg water-soluble bags.



# **Expanfluid**

Expansive anti-shrinkage agent for slurries for injection.



#### TECHNICAL DATA:

**Dosage:** 3% to 6% of weight of cement. **Packaging:** box of 4 x 3 kg water-soluble bags.



**Idrocrete DM** 

Bulk water-repellent admixture. Particularly recommended for concrete with a damp earth consistency.



**TECHNICAL DATA: Dosage:** from 0.2 to 0.6 kg every 100 kg of cement. Packaging: 25 kg tanks.



# **Idrocrete KR 1000**

Powdered crystallising admixture for waterproof concrete.



#### TECHNICAL DATA:

**Dosage:** 1 to 3 kg every 100 kg of cement. **Packaging:** 20 kg bags and boxes of 4 x 4 kg water-soluble bags.



# **Idrocrete S**

Bulk water-repellent, waterproofing admixture.



# TECHNICAL DATA:

**Dosage:** from 0.6 to 1.2 kg every 100 kg of cement. Packaging: 10 and 25 kg tanks.



# Mapeair AE1

Aerating product for concrete and cementitious mortar.



#### **TECHNICAL DATA:**

# Dosage:

- concrete: from 15 to 100 ml every 100 kg of cement.
  cementitious mortar: from 100 to 300 ml every 100 kg of binder.

Packaging: 10 and 25 kg tanks.



# Mapeair LA/P

Admixture for fluid fillers, mortar and lightweight concrete.

#### TECHNICAL DATA:

**Dosage:** 0.5 kg per m³ of mix. **Packaging:** box of 30 x 0.5 kg water-soluble sachets.



# Mapecrete Drain P

Powdered admixture for making pervious concrete.

#### TECHNICAL DATA:

Dosage: 0.5% to 3% of weight of cement. Packaging: box of 4 x 3 kg water-soluble bags.



# Mapecure SRA

Curing admixture for cementitious mortar and concrete to reduce hydraulic shrinkage and the formation of micro-cracks.

# TECHNICAL DATA:

Consumption:
Mortar: 0.25-0.5% by weight of the mortar. Concrete and beton: 5-8 l/m<sup>3</sup>. Packaging: 20 kg tanks.



# Mapefast C

Chloride-based admixture to accelerate setting and hardening of cementitious mortar.



#### TECHNICAL DATA:

**Dosage:** 0.75-1.5 kg every 100 kg of cement. **Packaging:** 7, 13 and 30 kg tanks.



# Mapefast CF/L and Mapefast CF/P

Chloride-free hardening accelerator for concrete and mortar



TECHNICAL DATA:
Dosage: MAPEFAST CF/L: 0.75-3 l per 100 kg of cement; MAPEFAST CF/P: 0.5-2 I per 100 kg of cement.

#### Packaging:

- powder: boxes of 24x1 kg;
- liquid: 6, 12 and 30 kg tanks.



# Mapefibre NS12/NS18

Virgin, mono-filament polypropylene fibres for mortar and concrete, available in diameters of 12 and 18 mm.

#### TECHNICAL DATA:

**Dosage:** 0.4-0.8 kg m<sup>3</sup> of concrete or mortar. Packaging: boxes of 30x0.6 kg each.



# Mapefibre ST30/ST42

Structural polymer fibres for concrete and cementitious screeds. May be used to completely or partially substitute conventional reinforcement. Length of fibres: 30 and 42 mm.

#### TECHNICAL DATA:

**Dosage:** from 1 to 7 kg per cubic metre of mix. Packaging: 6 kg polyethylene bags.



# Mapefluid N200

Super-plasticising sulphonated naphthalene admixtures for concrete. Permits the amount of mixing water to be drastically reduced, with a considerable increase in strength, even after short curing periods.



## TECHNICAL DATA:

**Dosage:** from 0.5 a 1.5 litres every 100 kg of cement. **Packaging:** 10 and 25 kg drums.



# Mapefluid PZ500

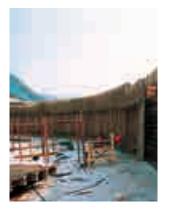
Pozzolanic-activity super-plasticiser in powder form for high-quality mortar and



#### TECHNICAL DATA:

**Dosage:** from 20 to 60 kg per m<sup>3</sup> of mix.

Packaging: 11 kg vacuum-packed polyethylene bags.



# Mapefluid PZ504

Pozzolanic-activity super-plasticiser in powder form for high-quality mortar and concrete and a low loss in workability.



#### TECHNICAL DATA:

Dosage: from 20 to 60 kg per m<sup>3</sup> of mix.

Packaging: 11 kg vacuum-packed polyethylene bags.



# Mapefluid R104

Super-plasticising retardant admixture for concrete, particularly suitable for use in summer to help maintain workability of the mix.



## TECHNICAL DATA:

**Dosage:** from 0.5 a 1.5 litres every 100 kg of cement.

Packaging: 25 kg tanks.



# Mapeplast PZ300

Powdered admixture made from micronized Pozzolan-activity materials.



#### **TECHNICAL DATA:**

**Dosage:** 50 kg to 250 kg per m³ according to specific

site requirements.

Packaging: 20 kg paper bags.



# Mapeplast UW

Anti-leaching cohesion-inducing admixture for underwater pours.



**TECHNICAL DATA: Dosage:** 0.6% to 3% of weight of cement. Packaging:

- box of 4 x 3 kg bags; box of 4 x 3 kg water-soluble bags.



# Mapetard

Retardant admixture for concrete and mortar with a plasticising effect. Retardant action on setting times of cement. Particularly suitable for use in summer to help maintain workability of the mix.



#### TECHNICAL DATA:

Dosage: from 0.2 a 0.5 litres every 100 kg

Packaging: 25 kg tanks.



## **Planicrete**

Synthetic latex rubber to improve adhesion of cement mixes.

#### TECHNICAL DATA:

Consistency: fluid liquid. Dry solids content: 36%.

Storage: 24 months. Consumption:

for adhesive slurry: 100-150 g/m²;
to prepare screeds and render: 50-80 kg/m³.

Packaging: 5, 10 and 25 kg drums and 12x1 kg

# **28.2 Admixtures for screeds**



# Mapescreed 710

Admixture for ready-mixed and site-mixed high-strength cementitious screed mortar.

#### TECHNICAL DATA:

**Dosage:** from 0.5 to 1.5 kg every 100 kg of cement. Packaging: 25 kg can.



# Mapescreed 720

Gel admixture for ready-mixed and site-mixed high-strength cementitious screed mortar, including after brief curing cycles.

#### TECHNICAL DATA:

**Dosage:** from 0.5 to 1.5 kg every 100 kg of cement. Packaging: 25 kg can.



# Mapescreed HF GEL

Gel admixture for ready-mixed and sitemixed high-strength cementitious screed mortar with low hygrometric shrinkage.

#### TECHNICAL DATA:

**Dosage:** from 0.5 to 1.5 kg every 100 kg of cement. Packaging: 16 kg can.

# 28.3 Form-release agents



## **DMA 1000**

Emulsionable form-release agent for wooden formwork. Emulsify one part of the product with 5-20 parts of water according to the type of formwork.

#### TECHNICAL DATA:

**Application:** brush or spray.

Consumption: 10-30 g/m² of neat product. Packaging: 4.5, 23 and 9 kg tanks.



## **DMA 2000**

Ready-to-use chemical/physical action form-release agent for metal formwork.

#### TECHNICAL DATA:

Application: brush or spray.

Consumption: 20-40 g/m² according to the type

of formwork used.

Packaging: 4.5 and 23 kg tanks.



# Mapeform 1500

Multi-purpose, low viscosity, chemical/ physical-action form-release oil to facilitate stripping concrete.

#### TECHNICAL DATA:

**Dosage:** approx. yield 20-25 g/m<sup>2</sup> for all types of formwork.

Packaging: 23 kg tanks.



# Mapeform Eco Oil

Chemical-action vegetable oil-based form release agent to make stripping concrete easier.

#### TECHNICAL DATA:

**Application:** by spray with suitable spray equipment. **Consumption:** from 15 to 25 g/m<sup>2</sup> on metal or plastic formwork.

Packaging: 23 kg tanks.

# 28.4 Superficial curing compounds



# Mapecure E

Anti-evaporation agent in water emulsion for protecting the surface of concrete against quickly drying out when exposed to sunlight and winds.

#### TECHNICAL DATA:

Application: spray.
Consumption:

- neat: 70-100 g/m<sup>2</sup>;

- diluted: 1:1 with water: 140-200 g/m<sup>2</sup>.

Packaging: 25 kg tanks.



# Mapecure S

Film-forming curing agent in solvent to protect mortar and concrete from drying out too quickly when exposed to sunlight and winds.

#### TECHNICAL DATA:

Application: roller or spray.
Consumption: 0.10-0.15 kg/m².
Packaging: 24 kg tanks.



# Mapecure WG

Film-forming curing agent in aqueous emulsion for concrete. Does not need to be removed from the surface before bonding the floor covering.

#### TECHNICAL DATA:

Application: by spray or with a roller.
Consumption: 150-200 g/m².
Packaging: 25 kg tanks.

# 28.5 Mapei Color Paving



# **Color Paving Admix**

Ready-mixed multi-purpose powdered admixture for exposed-finish architectural floors and surfaces.

#### TECHNICAL DATA:

Colours: neutral, red, sand, yellow. Dosage: 25 kg/m³ of concrete.

Packaging: paper bag containing 2 x 12.5 kg

water-soluble bags.



# **Color Paving Binder**

Ready-mixed ready to use screed supplied in big-bags for creating architectural road surfaces in exposed aggregate concrete.

#### TECHNICAL DATA:

**Colours:** neutral, red, sand, yellow. **Packaging:** 970 kg big-bags.



# **Color Paving Pronto**

Ready-mixed ready to use screed supplied in bags for creating architectural road surfaces in exposed aggregate concrete.

#### TECHNICAL DATA:

Colours: neutral, red, white, yellow.
Particle size: 8/12 and 12/16 mm.
Consumption: 25 kg to make 11.2 litres of concrete (88 bags/m³).

Packaging: 25 kg bags.



# Mapecolor Pigment

Powdered pre-dispersed oxides to create an even stable colour in concrete mixes.

#### TECHNICAL DATA:

Colours: yellow, red, brown, green, black. Other colours: yellow, red, brown, green, black. Other colours available upon request.

Dosage: 1% to 4% by weight of white cement; 3% to 6% by weight of grey cement.

Packaging: 10 kg cardboard boxes containing 5 kg

water soluble bags.



# Mapecrete Fast **Protection**

Hydro-oil repellent protective treatment with a consolidating effect; may be applied on all types of concrete within a minimum of 24 hours of pouring.

#### TECHNICAL DATA:

Dosage: 150-200 g/m<sup>2</sup>. Packaging: 22 litre drum.



# **Mapecrete** Mineral Neutral

Mineralising treatment for concrete floors. Product developed to harden and consolidate the surface of new and old concrete substrates to increase their durability over the years.

## TECHNICAL DATA:

Colour: colourless.

Dosage: substrates with low porosity (washed concrete, patterned concrete, terrazzo, etc.): 150-200 g/m<sup>2</sup>. Porous substrates (interlocking blocks, drainable concrete, sand-blasted concrete, etc.): 250-300 g/m<sup>2</sup>.

Packaging: 10 litre drums.



# Mapewash PO

Biodegradable vegetable oil-based surface set retardant with a curing effect to create architectural floors and surfaces.

#### TECHNICAL DATA:

Colour: according to the type of product: green, blue, purple, yellow, pink, grey.

Yield: by spray 3.5-4 m²/l.

Packaging: 5 and 22 litre cans.



**Mapewash Protex**Temporary protective gel for substrates applied during laying operations to prevent concrete sticking and MAPEWASH PO from being absorbed.

TECHNICAL DATA: Yield: 150 to 300 g per m². Packaging: 5 and 20 kg plastic drums.





#### 29.1 Mortars for the building industry \_



# **BIO**stabilitura

Highly compatible, ecological finishing which responds fully to the construction requirements of eco-friendly building work.

Finishing mortar for walls, made entirely with high quality, NATURAL, transpirant, eco-compatible, raw materials. Suitable for rendering internal and external surfaces.



#### TECHNICAL DATA:

**Mixing ratio:** supplied ready to use, blend before use if necessary.

Coefficient of permeability to water vapour: µ=9. Composition: Slaked lime (type CL 90-S PL) and fine, natural silica sand (cat. 0/1 mm).

Packaging: 25 kg bags. Yield: 1.7 kg/m²/mm of render finish.



## **FIBRO**malta

Special fibre-reinforced render for the best results with the minimum effort. Suitable for render and general wall coatings. The micro-fibres guarantee no crack formation caused by plastic shrinkage when drying out. It is suitable for application with a rendering machine and is even more attractive when applied by hand.



#### **TECHNICAL DATA:**

Fire resistance: REI 180.

Mixing ratio: 1 25 kg bag of FIBROMALTA with

approx. 3.5 litres of water.

Mixing time: 3 minutes.

Pot life of mix: 30-40 minutes.

Compressive strength after 28 days: ≥ 6 N/mm<sup>2</sup>.

Aggregate: 0/4 mm. Packaging: 25 kg bags.

Yield: 18 kg/m<sup>2</sup>/cm of render - 22 kg/m<sup>2</sup> of wall made

of bricks measuring 12x12x24.









## **FIBRO**stabilitura

FIBROstabilitura is a transpirant finishing mortar for masonry suitable for internal and external biocompatible render without cracks or crazing. FIBROstabilitura is reinforced with fibres which guarantee that no shrinkage cracks or crazing form during drying, and has unrivalled workability. FIBROstabilitura is a highly ecological product which responds fully to the construction requirements of ecofriendly building work.



#### TECHNICAL DATA:

**Mixing ratio:** supplied ready to use, blend before use if necessary.

Coefficient of permeability to water vapour: μ=9. Composition: slaked lime (type CL 90-S PL), fine natural silica sand (cat. 0/1 mm) and micro-fibres. Packaging: 25 kg bags.

Yield: 1.7 kg/m²/mm of render finish.



## Grassello di CALCE

Aerial binder for transpirant, ecological finishing compounds and render. Aerial binder for preparing traditional masonry render and mortar on site, the main ingredient for making natural, transpirant paintwork, final smoothing coats on render (fresh on fresh) and for restoring ancient buildings.







#### TECHNICAL DATA:

**Mixing ratio:** supplied ready to use, blend before use if necessary.

Composition: calcium hydroxide [Ca(OH)2].

Packaging: 25 kg bags.

**Yield:** 1.4 kg/m<sup>2</sup>/mm of render finish-



#### HR10 Fibro

Ready-mixed high-adhesion rendering mortar in double-sealed bags to form rendered surfaces suitable for bonding ceramic tiles in compliance with EN 11493 standards.



#### **TECHNICAL DATA:**

Mixing ratio: one 25 kg bag of HR10 FIBRO with approx. 3.5-4.0 litres of water.

**Composition:** lime, cement, silica sand 0/4 mm, in compliance with EN 13139.

Packaging: 25 kg bags.

**Yield:** 1 m³ of already mixed mortar is equal to approx. seventy 25 kg. 19 kg/m²/cm of render.











#### TECHNICAL DATA:

Fire resistance: REI 180.

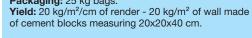
Mixing ratio: 1 25 kg bag of HR10 FIBRO with approx.

3.5 litres of water. Mixing time: 3 minutes.

Pot life of mix: 30-40 minutes.

Compressive strength after 28 days: ≥ 15 N/mm<sup>2</sup>. Aggregate: 0/4 mm.

Packaging: 25 kg bags.





# HR15

For fire-resistant constructions with high structural characteristics. HR15 is a HIGH STRENGTH render RESISTANT TO FIRE. It Is particularly suitable for laying concrete and cement blocks and brickwork and is also suitable for rendering. It may be used for protecting and repairing concrete structures, in compliance with EN 1504-3.









EN 998-2



### MaltaBASTARDA

The innovative formulate to make masonry and render quickly. Ready-mixed mortar with guaranteed performance figures for internal and external render, load-bearing and partition walls, sealing water pipes and/ or cable runs and for installing shower troughs and sanitary fittings.



### **TECHNICAL DATA:**

Fire resistance: El 240.

Mixing ratio: 1 25 kg bag of MaltaBASTARDA with

approximately 3.5 litres of water. Mixing time: 3 minutes.

Pot life of mix: 30-40 minutes.

Compressive strength after 28 days: ≥ 6 N/mm<sup>2</sup>.

Aggregate: 0/4 mm. Packaging: 25 kg bags.

Yield: 18 kg/m<sup>2</sup>/cm of render - 22 kg/m<sup>2</sup> of wall made

of bricks measuring 12x12x24 cm.









## MaltaVISTA

For highly attractive, natural finish resistant to the trials of time. Its special formulation makes MaltaVISTA suitable for structurallysolid, natural finish masonry, guarantees insulation against water ingress and reduces the phenomenon of efflorescence, while its high plasticity makes it possible to adjust the position of blocks and bricks when laying.



#### **TECHNICAL DATA:**

Mixing ratio: 1 25 kg bag of MaltaVISTA with approximately 3.5 litres of water.

Mixing time: 3 minutes.

Pot life of mix: 30-40 minutes.

Compressive strength after 28 days: ≥ 5 N/mm². Capillary action water absorption:

≤ 0.15 kg / (m² x min0.5). **Aggregate:** 0/1 mm. Packaging: 25 kg bags. Yield: 40 kg/m² of wall.



## **VAGAlighTher**

Ultra-light rendering mortar, particularly recommended to create HEAT-INSULATING SYSTEMS and PROTECTIVE FIREPROOF RENDER in compliance with the prescriptions of Ministerial Decree MD 16th February 2007, "Fire-resistance classification of construction products and elements for construction work". VAGALighTher is characterised by its ease of use and excellent workability and is the ideal product for all those situations where protective, fireproof render and heat-insulating mortar are required.



#### TECHNICAL DATA:

Fire resistance: M.D. 16th Feb. 2007.

Mixing ratio: one 20 kg bag of VAGAlighTher with

approx. 3.5 litres of water. Mixing time: 3 mins. Pot life of mix: 30-40 mins.

Compressive strength after 28 days: ≥ 10 N/mm<sup>2</sup>.

Particle size: silica aggregates 0/2 mm.

Packaging: 20 kg bags. Yield: 11 kg/m<sup>2</sup>/cm of render.





## 29.2 Pre-blended mortars for the building industry



## INTO+

Ready-mixed hydrated lime and cement-based powdered base render with high workability applied with a rendering machine on internal and external substrates made from: hydrated lime, Portland cement, graded sand and additives to improve its workability and adhesion.



#### TECHNICAL DATA:

Mixing ratio: 5.8 litres for 25 kg bag. Compressive strength: ≥ 2 N/mm<sup>2</sup>.

Aggregate: 0/1.5 mm. Packaging: 25 kg bags. Yield: 13.5 kg/m<sup>2</sup>/cm of render.





#### INTO+ Fibro

Ready-mixed fibre-reinforced hydrated lime and cement-based powdered base render applied with a rendering machine on internal and external substrates made from: hydrated lime, Portland cement, graded sand, fibres and additives to improve its workability, adhesion and flexural strength.



## TECHNICAL DATA:

Mixing ratio: 5.8 litres for one 25 kg bag.

Compressive strength after 28 days: ≥ 2.0 N/mm².

Aggregate: 0/1.5 mm. Packaging: 25 kg bags.

Yield: 13.5 kg/m<sup>2</sup>/cm of render finish.



# Malta+ Fibro

Ready-mixed fibre-reinforced powdered mortar applied using manual tools on exposed masonry made from: Portland cement, hydraulic lime, graded sand, fibres and additives to improve its application characteristics. Suitable for a wide variety of uses such as general building work and rendering internal and external masonry made from bricks, concrete blocks, stone, etc. Its special formulation facilitates application using manual tools, including by operators not specialised in this type of work. The fibres and special additives in the mortar contrast the effect of hydraulic shrinkage and reduce the risk of crack formation to a minimum, including when rendering heterogeneous substrates.



#### **TECHNICAL DATA:**

Mixing ratio: one 25 kg bag of MALTA+ FIBRO with

approx. 4.0 litres of water. Mixing time: 3 minutes.

Compressive strength: ≥ 6,0 N/mm<sup>2</sup>.

Capillary action water absorption: ≤ 0.50 kg /

 $(m^2 \times 0.5 \text{ min}).$ Aggregate: 0/1.5 mm. Packaging: 25 kg bags. Yield: 16 kg/m²/cm.









#### RASA+

RASA+ is a one-component water-repellent normal-hardening fine-textured grey cementitious skimming mortar supplied in powder form made from special high-strength binders, selected aggregates, special admixtures and synthetic polymers. When RASA+ is mixed with water, its special composition forms a highly-adhesive mortar with excellent workability which makes it easier to apply with a smooth trowel and easier to finish the surface with a metal or sponge float.



#### TECHNICAL DATA:

**Mixing ratio:** it may be mixed with FIBROstabilitura or BIOstabilitura VAGA.

Classification: EN 998-1 - type GP mortar, category CS IV; EN 1504-2 - coating (C) principles MC and IR. Compressive strength after 28 days: ≥ 16 N/mm².

Colour: grey.
Particle size: silica aggregates 0/0.4 mm.

Packaging: 25 kg bags.
Yield: 1.3 kg/m²/mm of finish.



# 29.3 Concrete for the building industry



# **BEtonFLuid**

BEtonFLuid is a high-strength (Rck 40 N/mm²), self-compacting concrete (SCC) made by VAGA, ideal for manufacturing all types of structural elements with a natural finish. BEtonFLuid is particularly suitable for casting into special formwork, including where there is a high density of reinforcement rods, without the risk of segregation.



#### TECHNICAL DATA:

Characteristic strength: Rck 40.
Exposure class: XC4, XD2, XS1, XF1, XA2.
Water/cement ratio: ≤ 0.45.
Aggregate: mixed sand.
Packaging: 25 kg bags.
Yield: 86 bags = 1 m³.



## **CALCESTRUZZO RCK30**

CALCESTRUZZO RCK30 by Vaga is ideal for making CAST STRUCTURAL ELEMENTS AND MEMBERS with guaranteed mechanical performance characteristics such as beams, pillars, foundation plinths, floor slabs, etc.; EXPOSED ELEMENTS AND MEMBERS such as stairs, floors and walls; CONCRETE FLOORS; CAST CONCRETE EXPOSED TO (EN206-1): dry surroundings (XC1) and wet surroundings (XC2).



#### TECHNICAL DATA:

Characteristic strength: Rck 30. Consistency class: S4 (fluid). Exposure class: XC2. Water/cement ratio: 0,60. Aggregate: 0/15 mm. Packaging: 25 kg bags. Yield: 86 bags = 1 m³.



## **CALCESTRUZZO RCK40**

CALCESTRUZZO RCK40 by Vaga is ideal for making: high strength CAST STRUCTURAL ELEMENTS AND MEMBERS such as beams, pillars, foundation plinths, floor slabs, etc.; EXPOSED ELEMENTS AND MEMBERS such as stairs, floors and walls; CONCRETE FLOORS; CAST CONCRETE EXPOSED TO (EN206-1): moderately damp surroundings (XC3), cyclical wet/dry surroundings (XC4), airborne salt (XS1), other chlorides (XD2), surroundings with freeze/thaw cycles (XF1), chemical attack (XA1).

#### TECHNICAL DATA:

Characteristic strength: Rck 40.
Consistency class: S4 (fluid).
Exposure class: XC4 / XS1 / XD2 / XF1 / XA1.
Water/Cement ratio: 0,50.
Aggregate: 0/15 mm.
Packaging: 25 kg bags.
Yield: 86 bags = 1 m³.



#### Dreno

DRENO permeable concrete: ideal for making floors with very high drainage capacity (> 640 mm/min), including in those places difficult to reach with conventional casting systems.

#### **TECHNICAL DATA:**

Drainage capacity: > 640 mm/min. Compressive strength: > 15 N/mm<sup>2</sup>.

Aggregate: 6/10 mm.

Density of fresh mortar: > 1850 kg/m<sup>3</sup>. Percentage of cavities: > 15%.

Packaging: 25 kg bags. Yield: 68 bags = 1 m<sup>3</sup>.



## eXtraBeton

eXtraBeton by Vaga is ideal for making: highstrength, durable CAST STRUCTURAL ELEMENTS AND MEMBERS such as beams, pillars, foundation plinths and floor slabs, including those resistant to chemicals (to be verified with VAGA TECHNICAL SERVICES); FLOORS IN INDUSTRIAL ENVIRONMENTS AND FLOORS WITH VEHICLE ACCESS (including those resistant to FREEZE/THAW cycles); ALL TYPES OF CONTAINMENT BASINS (e.g. for drinking water, water with aggressive chemicals, depuration basins, sewer systems, etc.); STRUCTURAL ELEMENTS AND MEMBERS such as stairs and floors; CAST CONCRETE EXPOSED TO (EN206-1): cyclical wet/dry surroundings (XC4), airborne salt (XS3), other chlorides (XD3), surroundings with freeze/thaw cycles (XF2 - XF3 - XF4) and chemical attack (XA1 - XA2\* - XA3\*).

(\* to be verified with VAGA TECHNICAL SERVICES)

#### **TECHNICAL DATA:**

Characteristic strength: Rck 50.

Consistency class: S4 (fluid). Exposure class: XC4 / XS3 / XD3 / XF4 / XA1 - XA3\*

(ARS version).

Water/cement ratio: 0,45. Aggregate: 0/15 mm. Packaging: 25 kg bags. Yield:  $86 \text{ bags} = 1 \text{ m}^3$ .



#### SAETTA

When time is tight and quality is a must. SAETTA ultra high performance quick beton with a low shrinkage rate. The formulate complies with EN 206-1 standards, "and allows the time required for building work to be considerably reduced, including structural work, thanks to a stripping being time of just 2 hours!".

#### TECHNICAL DATA:

#### Compressive strength:

2 hours  $\geq$  9.5 N/mm<sup>2</sup>; 4 hours ≥ 11.5 N/mm<sup>2</sup>; 8 hours ≥ 12.0 N/mm<sup>2</sup>; 24 hours  $\geq$  13.0 N/mm<sup>2</sup>; 7 days ≥ 30.0 N/mm<sup>2</sup>; 4 hours ≥ 40.0 N/mm<sup>2</sup>

Consistency class: S5 (super-fluid).

Water/cement ratio:  $\leq 0.51$ . Aggregate: mixed sand. Packaging: 25 kg bags. Yield: 87 bags = 1 m<sup>3</sup>



## **VAGAQUARZ**

VAGAQUARZ is a mixture of particularly hard, natural mineral aggregates (quartz) which is used to protect concrete floors. It is particularly recommended for use in industrial environments and in warehouses where there is a high volume of vehicles in transit. It may be used to create attractive finishes in a variety of colours. VAGAQUARZ is supplied ready to use, is pre-mixed with cement, additives and fillers and may be applied either manually or with power tools over wet concrete.

#### **TECHNICAL DATA:**

Colour: grey; other colours available on request.

Particle size: 0.5-1.4.

Hardness (Mohs scale): 6°-7°.

Compressive strength after 28 days: 63.28 N/mm<sup>2</sup>.

Flexural strength: 7.24 N/mm². Resistance to abrasion: A9. Setting time: 60 mins Set to foot traffic: 24-36 hours.

Packaging: 25 kg bags.

Yield: manual application 5.5 kg/m<sup>2</sup> - machine

application 12 kg/m<sup>2</sup>.

## 29.4 Screeds for the building industry \_



# **SabbiaCEMENTO**

Formulate with special acrylic admixtures for any type of high-performance screed. Ready-mixed cementitious screed suitable for laying all types of bonded and floating screeds, including heated screeds. Set to foot traffic after approximately 16 hours, wait 36 hours before laying ceramic tiles and 14 days for parquet and resilient coverings.



#### TECHNICAL DATA:

Soundproofing against the noise of footsteps: M = 23 dB

Mixing ratio: 1 25 kg bag of SabbiaCEMENTO with approx. 1 litre of water

Mixing time: until completely blended.

Pot life of mix: 60 minutes

Compressive strength after 28 days: ≥ 20 N/mm².

Flexural strength after 28 days: ≥ 4 N/mm<sup>2</sup>.

Packaging: 25 kg bags. Yield: 20 kg/m²/cm.



**TurboMASS** Special formulate for making fibrereinforced quick-drying ready-mixed screed, particularly suitable for laying flooring substrates, including heated floor substrates, when drying times need to be reduced. TURBOMASS sets to foot traffic after 3-4 hours and dries after 4 days and is ready for laying parquet and resilient floor coverings.



#### TECHNICAL DATA:

Mixing ratio: 1 x 25 kg bag of TURBOMASS with

approx. 1 litre of water.

Mixing time: until completely blended. Pot life of mix: 20 mins.

Compressive strength after 28 days: ≥ 25 N/mm<sup>2</sup>. Flexural strength after 28 days: ≥ 5 N/mm<sup>2</sup>.

Packaging: 25 kg bags. Yield: 20 kg/m<sup>2</sup>/cm.



## 29.5 Service products



#### MB1 Pavicalce

Ready-mixed masonry and rendering mortar with dry aggregates for internal and external render, load-bearing and partition walls and for sealing hydraulic and electrical pipe-work.



Compressive strength after 28 days: ≥ 6 N/mm². Mixing ratio: 1 bag of MB1 Pavicalce with approx.

3.75 litres of water. Mixing time: 5 mins.

Pot life of mix: 20 mins. Packaging: 25 kg bags.

Yield: 18 kg/m<sup>2</sup>/cm of render - 22 kg/m<sup>2</sup> of wall.



#### NERO+

NERO+ is a cold, ready to use bitumen conglomerate supplied in bags. It is made from a mixture of aggregates, crushed sand and mineral additives (fillers) hot-blended with bitumen emulsion made with non-toxic flux oils.

#### TECHNICAL DATA:

Application temperature: > 5°C. Packaging: 25 kg bags.



#### SABBIASAL

SABBIASAL is a new, freeze-resistant product made from a special mixture of sodium chloride and a calibrated granulometric curve of silica sand, which makes it ideal for protecting road surfaces by reducing the amount of ice and snow that forms and settles on them, thus offering better grip for moving vehicles.

#### TECHNICAL DATA:

**Composition:** sodium chloride (NaCl) in a granulometric curve of 0/10 mm and silica sand in a granulometric curve of 0/5 mm. **Packaging:** 20 kg bags.



## VAGASAL

VAGASAL is high efficiency, damp sodium chloride in a calibrated granulometric curve of 0/10 mm and is used to reduce the amount of ice and snow that forms and settles on the surface of roads.

#### TECHNICAL DATA:

**Composition:** sodium chloride (NaCl) in a granulometric curve of 0/10 mm. **Packaging:** 25 kg bags.

# 29.6 Damp aggregates for the building industry



#### **FRANTUMATA**

Crushed washed selected aggregate ideal for coarse and rustic finish render, integrating concrete mixes and making floor screeds.







#### TECHNICAL DATA:

Particle size: from 0.1 mm to 4.0 mm.

Category: 0/2 mm according to EN 12620.

Category: 0/2 mm according to EN 13139.

Category: 0/2 mm according to EN 13043.

Category: 0/2 mm according to EN 13242.

Packaging: VAGA FRANTUMATA sand is available in:

- 25 kg bags;bulk;
- 1.5 t big bags.



## **MISTA**

Selected, washed aggregates with the CE symbol, suitable for concrete, bitumen conglomerates and site mortar. Ideal for preparing beton on site for small building jobs and for all applications which require a blend of calibrated aggregates with a maximum diameter of 10.0 mm.



### TECHNICAL DATA:

Grain size: from 0.1 mm to 10.0 mm.

Category: 0/8 mm according to EN 12620.

Category: 0/8 mm according to EN 13139.

Packaging: VAGA MISTA sand is available:

- in 25 kg bags;
- bulk;
- in 1.5 t big bags.



#### **TICINO**

Selected, washed aggregates with the CE symbol, suitable for concrete, bitumen conglomerates and site mortar. Ideal for preparing finishing mortar and fine render on site. Also used in horticulture and in all those sectors and applications where the use of extra-fine natural sand is required.





#### TECHNICAL DATA:

Grain size: from 0.1 mm to 0.9 mm. Category: 0/1 mm according to EN 12620. Category: 0/1 mm according to EN 13139. Packaging: VAGA TICINO sand is available:

- in 25 kg bags;
- bulk;in 1.5 t big bags.



## **VAGLIATA**

Selected, washed aggregates with the CE symbol, suitable for concrete, bitumen conglomerates and site mortar. Ideal for installation substrates for laying self-locking solid blocks, mixing mortar and rough or rustic-finish render on site, installing floor screeds on site and all applications which require graded sand with a maximum diameter of 4.0 mm.





#### TECHNICAL DATA:

Grain size: from 0.1 mm to 4.0 mm. Category: 0/4 mm according to EN 12620. Category: 0/4 mm according to EN 13139. Packaging: VAGA VAGLIATA sand is available:

- in 25 kg bags;
- bulk;
- in 1.5 t big bags.



# VAGLIATA Super

Ideal for installation substrates for laying self-locking solid block flooring, mixing coarse and rustic finish mortar and render on site, installing flooring screeds on site and all those applications that require graded sand with a maximum diameter of 4.0 mm.





#### **TECHNICAL DATA:**

Particle size: from 0.1 mm to 4.0 mm. Category: 0/4 mm according to EN 12620. Category: 0/4 mm according to EN 13139. Packaging: VAGA VAGLIATA SUPER sand is available in:

- 25 kg bags;
- bulk;
- 1.5 t big bags.

# 29.7 Dry aggregates for the building industry \_



## VG03S

Ideal for sealing and filling joints when laying self-locking solid blocks, building sand for wood and bricks and removing the following from surfaces: smog, graffiti, dirt and carbonatation; mediumabrasion and depth sand-blasting to improve the bond of varnish, render, etc. to surfaces.



#### TECHNICAL DATA:

Humidity level: less than 0.5%. Grain size: from 0.3 mm to 1.0 mm. Category: 0/1 mm according to EN 13139. Packaging: VAGA VG03S sand is available:

- in 25 kg bags;
- bulk:
- in 1.5 t big bags.



#### VG15

Ideal for sealing and filling joints when laying self-locking solid blocks, preparing smoothing and finishing compounds on site and for all those applications which require natural fine sand.



#### TECHNICAL DATA:

Humidity level: less than 0.5%. Grain size: from 0.3 mm to 0.6 mm. Category: 0/1 mm according to EN 13139. Packaging: VAGA VG15 sand is available: - in 25 kg bags;

- bulk;in 1.5 t big bags.



## **VG16SS**

Ideal for sealing and filling joints when laying self-locking solid blocks, sandblasting metallic structures when rust and old surface treatments need to be removed, to create clean surfaces and improve the bond of paints.



#### TECHNICAL DATA:

Humidity level: less than 0.5%. Grain size: from 0.3 mm to 1.25 mm. Category: 0/1 mm according to EN 13139. Packaging: VAGA VG16SS sand is available:

- in 25 kg bags;
- bulk;
- in 1.5 t big bags.



#### **VG17FS**

Ideal for sealing and filling joints when laying self-locking solid blocks, sandblasting ironwork and highly abrasive, deep-down surface treatments to remove residues of tar, deteriorated concrete, etc.



#### TECHNICAL DATA:

Humidity level: less than 0.5%. Grain size: from 0.6 mm to 1.6 mm. Category: 0/2 mm according to EN 13139. Packaging: VAGA VG17FS sand is available:

- in 25 kg bags;
- bulk;
- in 1.5 t big bags.



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