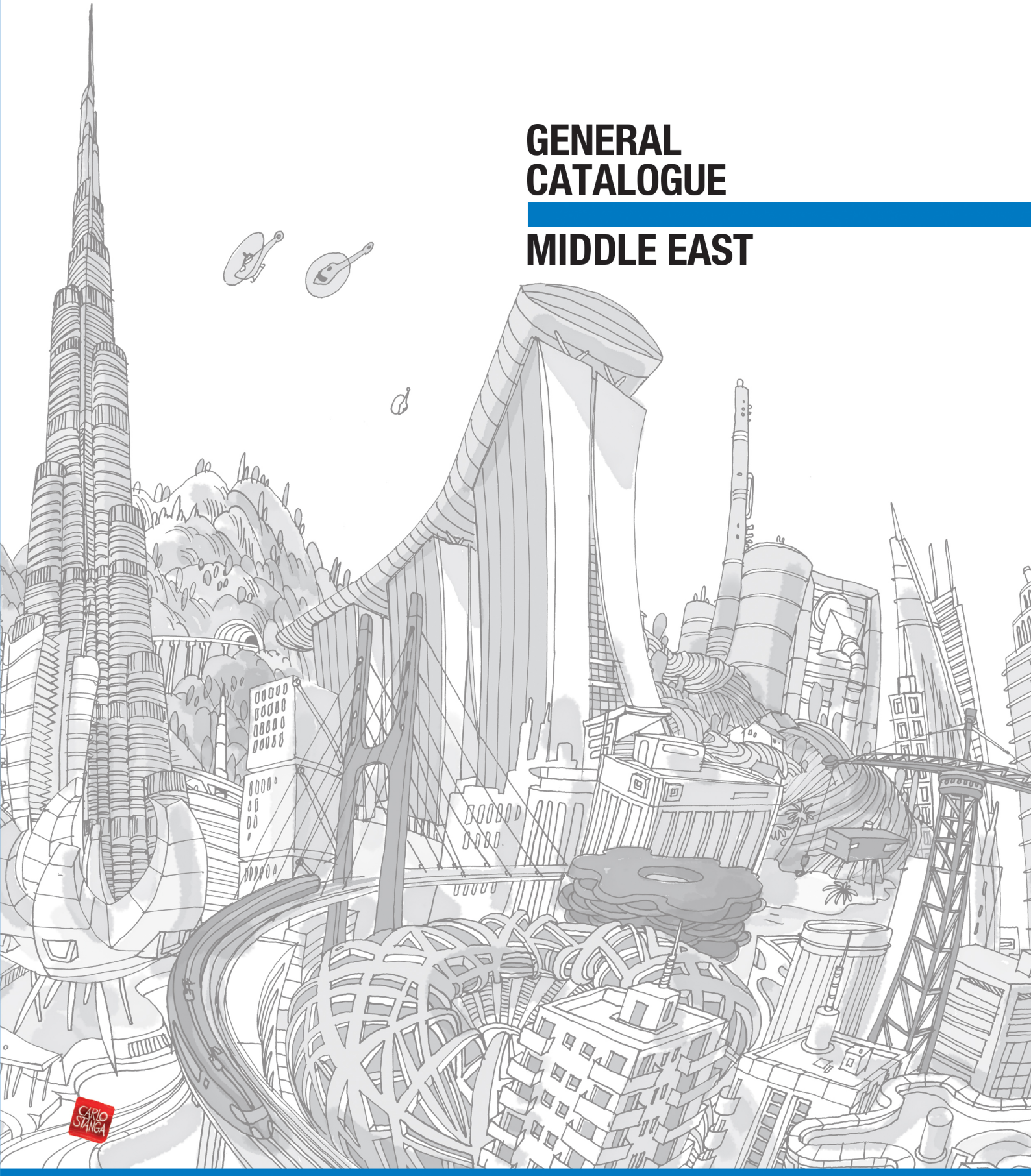
GENERAL CATALOGUE

MIDDLE EAST



www.mapei.com

MAPEI®

ADHESIVES • SEALANTS • CHEMICAL PRODUCTS FOR BUILDING

GENERAL CATALOGUE

MIDDLE EAST

INDEX BY SECTOR

Please refer to the relevant technical data sheet on www.mapei.ae for more information.

ALPHABETICAL INDEX

Please refer to the relevant technical data sheet on www.mapei.ae for more information.

INDEX BY SECTOR

Please refer to the relevant technical data sheet on www.mapei.ae for more information.

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 m^3 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 edge.
Consumption: 3.5-4.5 kg/m^2 per cm of thickness.
Packaging: 20 kg bags.

Mapecem Pronto

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

TECHNICAL DATA:
Mixing ratio: one bag of 25 kg 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 edge.
Consumption: 20 kg/m^2 per cm of thickness.
Packaging: 25 kg bags.

Topcem

Special prebagged, polymer modified hydraulic binder for normal setting, fast drying (4 days), and controlled-shrinkage screeds.

TECHNICAL DATA:
Recommended mixing ratio: 200-250 kg of TOPCEM with 1 m^3 of aggregates (diameter from 0 to 6 mm) and 110-130 kg of water for dry aggregate.
Workability time: 60 minutes.
Set to light foot traffic: after 12 hours.
Waiting time before laying: 24 hours for ceramic tiles, 2 days for natural stone ,4 days for resilient and 7 days for wood.
Residual humidity after 4 days: < 2%.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months in a dry place in original unopened packaging.
Application: mixer and a straight edge.
Consumption: 2-2.5 kg/m^2 per cm of thickness.
Packaging: 20 kg bags.

Topcem Pronto

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

TECHNICAL DATA:
Mixing ratio: one bag of 25 kg 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 in a dry place in original unopened packaging.
Application: poured, compacted and floated.
Consumption: 18-20 kg/m^2 per cm of thickness.
Packaging: 25 kg bags.

1.2 Smoothing compounds

Fiberplan

Self-levelling, fibre-reinforced, quick-hardening 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: 12 hours for ceramic tiles, natural stone, parquet and resilient coverings.
Colour: pinky grey.
Application: trowel or rake.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months.
Consumption: 1.5 kg/m² per mm of thickness.
Packaging: 25 kg bags.

Nivorapid

Quick-drying, thixotropic, cementitious smoothing compound for thicknesses from 1 to 20 mm, including on vertical surfaces.

TECHNICAL DATA:
Where to use: internal floors and walls for ceramic, natural stone, resilient and wooden coatings.
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, 12 hours for parquet and resilient coverings.
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.

Novoplan Maxi

Rapid-hardening, fibre-reinforced, free-flowing 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 applied.
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/m² per mm of thickness.
Storage: 12 months.
Packaging: 25 kg bags.

Planipatch

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.

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.
Storage: 12 months.
Application: trowel.
Consumption: approx. 1.0 kg/m² per mm of thickness.
Packaging: 16 kg boxes containing 4 kg plastic sachets.

Planiprep Remove 4 LVT NEW

Ready-to-use grout smoother for lose-lay 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 self-laying LVT tiles and slats.

TECHNICAL DATA:
Where to use: internal floors for self-laying LVT.
Consistency: thick paste.
Colour: white.
Thickness applied: 0-2 mm.
Set to foot traffic: 12-24 hours.
Waiting time before sanding and applying self-laying LVT: 12-24 hours.
EMICODE: EC1 Plus - very low emission.
Storage: 12 months.
Application: trowel.
Consumption: approx. 0.8-1.0 kg/m².
Packaging: 10 kg drums.

Planex HR NEW

Rapid-drying, moisture-resistant, self-levelling smoothing mortar for layers 1 to 10 mm thick.

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: trowel or pump.
Consumption: 1.7 kg/m² per mm of thickness.
Packaging: 25 kg bags.

Planex HR Maxi NEW

Rapid-drying, moisture-resistant, self-levelling smoothing mortar for layers 2 to 20 mm thick.

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: trowel or pump.
Consumption: 1.7 kg/m² per mm of thickness.
Packaging: 25 kg bags.

Planopur

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

TECHNICAL DATA:
Workability time: 20-25 minutes.
Application temperature range: from +10°C to +30°C.
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/m² per mm of thickness.
Packaging: 14 kg units.

Ultraplan

Ultra-fast drying self-levelling compound for thickness from 1 to 10 mm.

TECHNICAL DATA:
Where to use: internal floors for ceramic, natural stone, resilient and wooden floor coverings.
Workability time: 20-30 minutes.
Thickness applied: from 1 to 10 mm.
Set to light foot traffic: 3 hours.
Waiting time before laying: 12 hours for ceramic tiles, natural stone, resilient and wood coverings.
Application: trowel, spiked roller or pump.
EMICODE: EC1 R Plus - very low emission.
Colour: grey.
Storage: 12 months in a dry place in original unopened packaging.
Consumption: 1.6 kg/m² per mm of thickness.
Packaging: 23 kg bags.

Ultraplan Fiber Kit

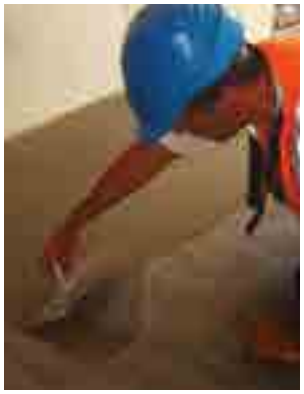
Ultra-fast drying, fiber re-inforced, self-levelling compound for thickness from 1 to 10 mm. Especially suited for areas subject to movement or slight deformation.

TECHNICAL DATA:
Where to use: as an underlayment for ceramic, natural stone, resilient and wooden floor coverings.
Workability time: 20-30 minutes.
Thickness applied: from 3 to 10 mm.
Set to light foot traffic: 3 hours.
Waiting time before laying: 12 hours.
Application: trowel, spiked roller or pump.
EMICODE: EC1 R Plus - very low emission.
Colour: grey.
Storage: 12 months in a dry place in original unopened packaging.
Consumption: 1.6 kg/m² per mm of thickness.
Packaging: 23.25 kg kits.

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: 12 hours for ceramic tiles, natural stone and resilient coverings, 24 hours for wood.
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 20

Rapid hydrating, fast-drying self-levelling compound.

TECHNICAL DATA:
Where to use: internal floors for concrete pavements, terrazzo, ceramic, natural stone and magnesite floors.
Workability time: 20-30 minutes.
Thickness applied: from 1 to 10 mm.
Set to light foot traffic: 3-4 hours.
Waiting time before laying: 12 hours for ceramic tiles and natural stone, 24 hours for resilient flooring and carpet.
Application: trowel, squeegee or pump.
EMICODE: EC1 R - very low emission.
Colour: grey.
Storage: 12 months in a dry place in original unopened packaging.
Consumption: 1.6 kg/m² 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: 1 hour.
Waiting tile before bonding flooring: 2 hours (resilients).
Application: trowel or rake.
EMICODE: EC1 R Plus - very low emission.
Colour: grey.
Storage: 12 months.
Consumption: 1.6 kg/m² per mm of thickness.
Packaging: 23 kg bags.

Ultraplan Maxi

Ultra-fast drying self-levelling 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: 3 hours.
Waiting time before laying: from 12 to 24 hours for ceramic tiles and natural stone, from 24 to 72 hours for resilient and wood coverings (according to thickness).
Application: trowel, spiked roller or pump.
EMICODE: EC1 R Plus - very low emission.
Colour: grey.
Storage: 12 months.
Consumption: 1.7 kg/m² per mm of thickness.
Packaging: 25 kg bags.

1.3 Products for levelling substrates

Adesilex P4

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

Conformity of **Adesilex P4** is declared in **ITT** certificate **n° 25070275/Gi (TUM)** issued by the Technische Universität München laboratory (Germany) and as declared in **ITT** certificate **n° 1220.6/10/R03 NPU** issued by the ITB Katowice Institute (Poland)

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/m².
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/m^2 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.
Colour: grey.
Storage: 12 months.
Consumption: 1.45 kg/m^2 per mm of thickness.
Packaging: 25 kg vacuum-packed polyethylene bags.

PRODUCTS FOR SOUNDPROOFING

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, closed-cell 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: > 2000.
Dynamic stiffness for calculation purposes (S'): 50 MN/m^3.
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.
Reaction to fire: F.
Apparent dynamic stiffness (S't): 10 MN/m^3.
Dynamic stiffness for calculation purposes (S'): 21 MN/m^3.
Reduction of noise from footsteps when installed (ΔL_w): 42 dB.
Reduction of noise caused by footsteps under laboratory conditions (ΔL_w(*)): 24 dB.
Thermal resistance (R): 0.313 m^{2}K/W.
Nominal thickness: 13 mm.
Format: 1000 mm x 1000 mm tiles.
Weight: 5 kg/m^2.
Packaging: pallets containing 75 m^2.

(*) *Measured in an independent laboratory on a 14 cm thick normalised reinforced concrete floor with a surface area of 10 m^2 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, non-woven polypropylene fabric with a 5 cm wide self-adhesive border along the sides.

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.
Reaction to fire: F.
Apparent dynamic stiffness (S't): 15 MN/m^3.
Dynamic stiffness for calculation purposes (S'): 47 MN/m^3.
Reduction of noise from footsteps when installed (ΔL_w): 37 dB.
Reduction of noise caused by footsteps under laboratory conditions (ΔL_w(*)): 21 dB.
Thermal resistance (R): 0.145 m^{2}K/W.
Nominal thickness: 8 mm.
Format: 10 x 1 m rolls with a 5 cm border along the sides.
Weight: 1.8 kg/m^2.
Packaging: pallets containing 160 m^2.

(*) *Measured in an independent laboratory on a 14 cm thick normalised reinforced concrete floor with a surface area of 10 m^2 and an upper acoustic chamber (according to EN ISO 140-8).*

Mapesilent Tape

Adhesive sealing tape made in closed-cell 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.
Application: refer to System Data Sheet.

Mapesonic GD 4 LVT NEW

Acoustic underlayment for LVT.

TECHNICAL DATA:
Thickness: 1.5 mm.
Size: 10 m x 1 m sheets.
Weight: 1.1 kg/m².
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.

Mapesonic SA 4 LVT NEW

Self-adhesive acoustic underlayment for LVT.

TECHNICAL DATA:
Thickness: 1.7 mm.
Size: 10 m x 1 m sheets.
Weight: 1.1 kg/m².
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.

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

Biblock

Two-component, epoxy curing product in water dispersion for concrete with consolidating and anti-dust properties.

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^2.
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^2.
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^2.
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/m^2 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.

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/m^2.
Packaging: 5 and 20 kg drums.

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^3.
Packaging: 2 kg and 10 kg kits.

Eporip SCR NEW

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

TECHNICAL DATA:
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).

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/cm^3): 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^2).
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/m^2 according to the absorption.
Packaging: 5.9 kg kits and 11.8 kg kits (A + B).

Planicrete

Synthetic rubber latex 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/m^2;
– to prepare screeds and render: 50-80 kg/m^3.
Packaging: 5, 10 and 25 kg canisters and 12x1 kg packages.

Primer 3296

Acrylic primer in water dispersion with high penetration, consolidating and anti-dust 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^2.
Packaging: 5 and 10 kg drums.

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^2.
Packaging: 5+5 kg drums.

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 - very low emission.
Storage: 24 months. Protect from frost.
Consumption: 0.1-0.2 kg/m^2 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^2.
Packaging: 10 kg 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^2.
Packaging: 1 kg (A+B) and 6 kg (A+B) units.

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^2.
Packaging: 25 kg tanks.

Quartz ME

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

TECHNICAL DATA:
Colours: beige.
Size of inerts:
– QUARTZ 0.25 ME: 0-500 microns
– QUARTZ 0.5 ME: 0.5-1.0 mm
– QUARTZ 1.2 ME: 0.8-1.2 mm
Packaging: 25 kg bags.

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:
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/m^2.
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.

Conformity of **Adesilex P4** is declared in **ITT** certificate **n° 25070275/Gi (TUM)** issued by the Technische Universität München laboratory (Germany) and as declared in **ITT** certificate **n° 1220.6/10/R03 NPU** issued by the ITB Katowice Institute (Poland)

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/m².
Packaging: 25 kg bags.

Adesilex P9

High-performance cementitious adhesive with no vertical slip and extended open time for ceramic tiles.

TECHNICAL DATA:
Pot life of mix: more than 8 hours.
Open time: 30 minutes.
Waiting time before grouting:
– on walls: after 4-8 hours depending on absorbency;
– on floors: after 24 hours.
Set to light foot traffic: 24 hours.
Ready for use: 14 days.
Colours: grey and white.
Application: N° 4, 5 or 6 notched trowel.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months in a dry place in original packaging.
Consumption: 2-4 kg/m².
Packaging: 25 kg bags.

Adesilex P9 Express

High-performance, fast setting cementitious adhesive with no vertical slip for ceramic tiles and stone materials.

TECHNICAL DATA:
Pot life of mix: 60 minutes.
Open time: approx. 20 minutes.
Waiting time before grouting:
– on walls: after 4 hours;
– on floors: after 6 hours.
Set to light foot traffic: after 6 hours.
Ready for use: after 3 days.
Colours: grey.
Application: N° 4, 5 or 6 notched trowel.
EMICODE: EC1 R - very low emission.
Storage: 12 months in a dry place in original packaging.
Consumption: 2-4 kg/m².
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 mosaic.

TECHNICAL DATA:
Pot life of mix: approx. 8 hours.
Open time: > 30 minutes.
Waiting time before grouting:
– on walls: after 4-8 hours;
– on floors: after 24 hours.
Set to light foot traffic: 24 hours.
Ready for use: 14 days.
Colour: white.
Application: N° 4, 5 or 6 notched trowel.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months in a dry place in original packaging.
Consumption: 2-5 kg/m².
Packaging: 25 kg bags.

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).

Conformity of **Elastorapid** is declared in **ITT** certificate **n° 25070277/Gi (TUM)** and **25080024/Gi (TUM)** issued by the Technische Universität München laboratory (Germany)

TECHNICAL DATA:
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/m².
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, fast-setting and hydrating cementitious adhesive for ceramic tiles and stone materials.

TECHNICAL DATA:
Consistency: comp. A: powder; comp. B: thick liquid.
Colours: comp. A: grey and white; comp. B: greenish white.
Mixing ratio: GRANIRAPID white:
comp. A: 22.5 kg + comp. B: 5.5 kg.
GRANIRAPID grey:
comp. A: 25 kg; comp. + B: 5.5 kg.
Pot life of mix: 45 minutes.
Application temperature range: from +5°C to +40°C.
Open time: approx. 20 minutes.
Setting time: approx. 2 hours.
Set to light foot traffic: after 3-4 hours.
Ready for use: after approx. 24 hours (basins and swimming pools can be filled after 3 days).
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months in a dry place in original unopened packaging.
Application: N° 4, 5, 6 or 10 notched trowel.
Consumption: 3-8 kg/m².
Packaging: GRANIRAPID white: 28 kg kit
comp. A: 22.5 kg bag; comp. B: 5.5 kg drum.
GRANIRAPID grey: 30.5 kg kit
comp. A: 25 kg bag; comp. B: 5.5 kg drum.

Isolastic

Latex additive to provde elasticity to cement based adhesives - KERABOND T and ADESILEX P10.
When KERABOND T is mixed with ISOLASTIC it forms 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, deformable adhesive with extended open time (C2E/S1).

TECHNICAL DATA:
Pot life of mix: 8 hours.
Open time: 30 minutes.
Waiting time before grouting:
– on walls: after 4-8 hours;
– on floors: after 24-36 hours.
Set to light foot traffic: 24-36 hours.
Ready for use: 14 days.
Deformability according to EN 12004: S2 - highly deformable (ADESILEX P10 + ISOLASTIC diluted 1:1 with water - S1 deformable).
Application: Medium sized notched trowel.
Storage: 24 months in a dry place in original unopened packaging.
Packaging: 25 kg drums.

Kerabond T

Cementitious adhesive with no vertical slip for ceramic tiles.

TECHNICAL DATA:
Pot life of mix: more than 8 hours.
Open time: >20 minutes.
Waiting time before grouting:
– on walls: after 4-8 hours;
– on floors: after 24 hours.
Set to light foot traffic: 24 hours.
Ready for use: 14 days.
Colours: grey and white.
Application: N° 4, 5 or 6 notched trowel.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months in a dry place in original unopened packaging.
Consumption: 2-5 kg/m².
Packaging: 25 kg bags.

4. ADHESIVES FOR CERAMIC TILES AND STONE MATERIAL

Keracrete

Synthetic latex rubber mixed with KERACRETE POWDER (white or grey) or with sand and cement (thickness up to 5 mm).

TECHNICAL DATA OF KERACRETE + KERACRETE POWDER:
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 swimming pools).
Colours available:
– KERACRETE POWDER: grey and white.
Application: N° 5 or 6 or 10 notched trowel.
EMICODE: EC1 R Plus - very low emission.
Mixing ratio: 4 kg with 1 kg of KERACRETE.
Storage:
– KERACRETE**:** 24 months. Protect from frost.
– KERACRETE POWDER**:** 12 months.
Consumption:
– 0.5-1 kg/m² of KERACRETE;
– 2-4 kg/m² of KERACRETE POWDER.
Packaging:
KERACRETE: 5 and 25 kg drums;
KERACRETE POWDER**:** 25 kg bags.

Keracrete Powder

Ready to use mixture of sand and cement mixed with KERACRETE latex. This mixture forms a high-performance adhesive with no vertical slip and is suitable for ceramic tiles, glass mosaic and stone material (thickness of adhesive up to 5 mm).

Conformity of **Keracrete + Keracrete Powder** is declared in **ITT** certificate **n° 25040276/Gi (TUM)** and **25080247/Gi (TUM)** issued by the Technische Universität München laboratory (Germany)

Keraflex

High-performance cementitious adhesive with no vertical slip and extended open time for ceramic tiles and stone material.

TECHNICAL DATA:
Pot life of mix: more than 8 hours.
Open time: > 30 minutes.
Waiting time before grouting:
– on walls: after 4-8 hours;
– on floors: after 24 hours.
Set to light foot traffic: 24 hours.
Ready for use: 14 days.
Colours: grey and white.
Application: N° 4, 5 or 6 notched trowel.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months in a dry place in original packaging.
Consumption: 2-4 kg/m².
Packaging: 25 kg bags.

Keraflex Maxi S1

High-performance deformable cementitious adhesive with extended open time and no vertical slip, for ceramic tiles. Especially suited for the installation of large-size porcelain tiles and natural stones.

TECHNICAL DATA:
Pot life of mix: more than 8 hours.
Open time: > 30 minutes.
Waiting time before grouting:
– on walls: after 4-8 hours;
– on floors: after 24 hours.
Set to light foot traffic: 24 hours.
Ready for use: 7-14 days depending on actual temperature & RH.
Deformability according to ISO13007-1 and EN 12002: S1 - deformable.
Colours: grey and white.
Application: notched trowel.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months in a dry place in original packaging.
Consumption:
– bond ceramic tiles: 1.2 kg/m² per mm of thickness;
– bond panels: 4-7 kg/m².
Packaging: 25 kg bags.

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: after 4-8 hours depending on absorbency;
– on floors: after 24 hours.
Set to light foot traffic: 24 hours.
Ready for use: 14 days.
Colours: grey and white.
Application: N° 4, 5 or 6 notched trowel.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months in a dry place in original packaging.
Consumption: 2-5 kg/m².
Packaging: 20 kg bags.

Latex Plus

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

Conformity of **Keraquick S1 + Latex Plus** is declared in **ITT** certificate **n° 25080065/Gi (TUM)** issued by the Technische Universität München laboratory (Germany)

TECHNICAL DATA OF LATEX PLUS + KERAQUICK S1:
Pot life of mix: 30 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 frost.
Consumption: to be calculated according to the amount of KERAQUICK S1 and mixing ratio.
Packaging: 10 kg drums.

Mapeset

Cementitious adhesive for tiles.

TECHNICAL DATA:
Pot life of mix: 6-8 hours.
Open time: >20 minutes.
Waiting time before grouting:
– on walls: after 4-8 hours depending on absorbency;
– on floors: after 24 hours.
Set to light foot traffic: 24 hours.
Ready for use: 14 days.
Colours: grey and white.
Application: N° 4, 5 or 6 notched trowel.
Storage: 12 months in a dry place in original packaging.
Consumption: 2-5 kg/m².
Packaging: 20 kg bags.

Ultralite S1

Single-component, high-performance, flexible, lightweight, cementitious adhesive with no vertical slip, long open time, and extremely high yield. Suitable for the installation of ceramic tiles, stone and thin porcelain gres tiles.

TECHNICAL DATA:
Pot life of mix: more than 8 hours.
Open time: > 30 minutes.
Waiting time before grouting:
– on walls: after 4-8 hours;
– on floors: after 24 hours.
Set to light foot traffic: 24 hours.
Ready for use: 14 days.
Deformability according to ISO 13007 and EN 12004: S1 - deformable.
Colour: grey.
Application: notched trowel.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months in a dry place in original packaging.
Consumption: 0.8 kg/m² per mm of thickness, equal to 1.5-2.5 kg/m².
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.

Conformity of **Ultralite S1 Quick** is declared in **ITT** certificates **n° 25120143/AG (TUM)** issued by the Technische Universität München laboratory (Germany)

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/m².
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 tiles.

Conformity of **Ultralite S2** is declared in **ITT** certificates **n° 25110055/AG (TUM)** and **25110056/AG (TUM)** issued by the Technische Universität München laboratory (Germany)

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/m² per mm of thickness, equivalent to 1.5-2.5 kg/m².
Packaging: 15 kg bags.

Ultralite S2 Quick

One-component, high-performance, highly-deformable, lightweight, rapid-setting 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.

Conformity of **Ultralite S2 Quick** is declared in **APPLUS+** certificates **n° 12/5363-1240-S** and **n° 12/5363-1241-S** issued by the LGAI Technological Center, Bellaterra (Spain)

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/m².
Packaging: 15 kg bags.

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).

Conformity of **Adesilex P22** is declared in **ITT** certificate **n° 25040268/Gi (TUM)** issued by the Technische Universität München laboratory (Germany) and in **ITT** certificates **n° 2009-B-4835/01** and **2009-B-4835/04** issued by the MPA Dresden Institute (Germany)

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/m².
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.

Conformity of **Fix & Grout Brick** is declared in **ITT** certificate **n° 25080309/Gi (TUM)** issued by the Technische Universität München laboratory (Germany)

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/m².
Packaging: 12 kg drums.

4.3 Reactive adhesives

Keralastic

Two-component, high-performance polyurethane adhesive for ceramic tiles and stone material.

Conformity of **Keralastic** is declared in **ITT** certificate **n° 25120147/AG** issued by the Technische Universität München laboratory (Germany) and in **2008-B-2748/13.1** and **2008-B-2748/14.1** certificates issued by the MPA Dresden Institute (Germany)

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/m².
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.

Conformity of **Keralastic T** is declared in **ITT** certificates **n° 25040471/Gi (TUM)** issued by the Technische Universität München laboratory (Germany) and in **2008-B-2748/16.1** and **2008-B-2748/17.1** certificates issued by the MPA Dresden Institute (Germany)

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/m².
Packaging: 5 and 10 kg units (A:B = 94 : 6 parts by weight).

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).

Conformity of **Kerapoxy** is declared in **ITT** certificate **n° 25040322/Gi (TUM)** issued by the Technische Universität München laboratory (Germany) and in **ITT** certificates **n° 2008-B-2748/7.1**, **2008-B-2748/8.1** and **2008-B-2748/9.1** issued by the MPA Dresden Institute (Germany)

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.

4. ADHESIVES FOR CERAMIC TILES AND STONE MATERIAL

Kerapoxy Adhesive

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

Conformity of **Kerapoxy Adhesive** is declared in **ITT** certificate **n° 25070399/Gi (TUM)** issued by the Technische Universität München laboratory (Germany) and in **ITT** certificates **n° 2008-B-2748/4.1**, **2008-B-2748/5.1** and **2008-B-2748/6.1** issued by the MPA Dresden Institute (Germany)

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/m².
Packaging: 10 kg kit (A:B = 88:12 parts in weight).

GROUTS FOR CERAMIC TILES

5. GROUTS FOR CERAMIC TILES

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 and 25 kg drums and 12x1 kg packages.

Keracolor FF

High-performance, polymer-modified water-repellent, cement-based grout with DropEffect® technology for 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: 24 hours.
Ready for use: 7 days.
Colours: 14.
Application: MAPEI trowel or rubber float.
Finishing: MAPEI sponge or Scotch-Brite® pad.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months.
Consumption: according to the size of the joints.
Packaging: 15 kg bags and 4x5 kg boxes, according to the colour.

Keracolor GG

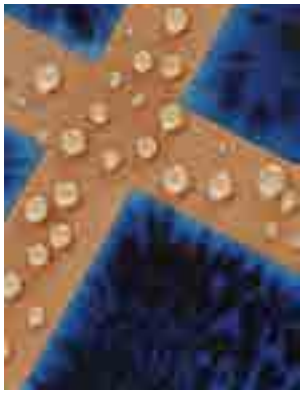
Pre-blended, high-performance polymer-modified cementitious mortar for grouting joints 4 to 15 mm wide.

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 (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 SF

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

TECHNICAL DATA:
Pot life of mix: approx. 2 hours.
Waiting time before finishing: upon initial setting.
Set to light foot traffic: 24 hours.
Ready for use: 7 days.
Colour: 14.
Application: rubber MAPEI trowel or squeegee.
Finishing: MAPEI sponge or Scotch-Brite® pad.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months.
Consumption: according to the size of the joints.
Packaging: 22 kg bags.



Ultracolor Plus

High-performance, anti-efflorescence, quick-setting and drying polymer-modified 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: 24 months.
Consumption: according to the size of the joints.
Packaging: 4x5 kg Alupack boxes.

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).

Conformity of **Kerapoxy** is declared in **ITT** certificate **n° 25040322/Gi (TUM)** issued by the Technische Universität München laboratory (Germany) and in **ITT** certificates **n° 2008-B-2748/7.1**, **2008-B-2748/8.1** and **2008-B-2748/9.1** issued by the MPA Dresden Institute (Germany)

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/m^2.
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, 290 cream and 100 white.

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.

5. GROUTS FOR CERAMIC TILES

MapeGlitter

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

TECHNICAL DATA:
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, 111 silver-grey 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.

Mapei Coloured **Grouts**		Ultracolor Plus	Keracolor SF	Keracolor FF	Keracolor GG	Flexcolor	Kerapoxy	Kerapoxy CQ	Kerapoxy Design	MapeGlitter	Fix & Grout Brick	Mapesil AC	Mapesil LM
100	WHITE	●	●	●	●	●	●	●			●	●	●
799	WHITE								●				
103	MOON WHITE	●							●			●	
710	ICE WHITE								●				
700	TRANSLUCENT								●				
111	SILVER GREY	●	●	●	●	●	●	●	●			●	●
110	MANHATTAN 2000	●	●	●	●		●		●			●	●
112	MEDIUM GREY	●	●	●	●		●					●	●
282	BARDIGLIO GREY							●					
720	PEARL GREY								●				
728	DARK GREY								●				
113	CEMENT GREY	●	●	●	●		●	●	●		●	●	●
115	RIVER GREY new	●							●			●	
116	MUSK GREY new	●							●			●	
174	TORNADO	●							●			●	
119	LONDON GREY new	●							●			●	
114	ANTHRACITE	●	●	●	●		●	●	●			●	●
120	BLACK	●	●				●	●				●	●
137	CARIBBEAN new	●							●			●	
130	JASMINE	●	●	●	●		●	●	●			●	●
269	LIGHT JASMINE		●										
270	WARM BEIGE		●										
290	CREAM							●					
291	BARLEY		●										
131	VANILLA	●	●	●	●		●					●	
138	ALMOND new	●							●			●	
729	SAHARA YELLOW								●				
132	BEIGE 2000	●	●	●	●	●	●	●	●		●	●	●
133	SAND	●							●			●	
134	SILK	●							●			●	
139	PINK POWDER new	●							●			●	
141	CARAMEL	●	●	●	●		●					●	
135	GOLDEN DUST	●							●			●	
152	LIQUORICE new	●							●			●	
142	BROWN	●		●	●		●		●			●	
147	CAPPUCCINO							●					
136	MUD	●							●			●	
144	CHOCOLATE	●		●	●		●					●	
146	RICH BROWN							●	●				
149	VOLCANO SAND	●							●			●	
145	TERRA DI SIENA	●		●	●		●					●	
143	TERRACOTTA	●					●					●	
172	SPACE BLUE	●					●					●	
170	CROCUS BLUE	●		●	●		●	●				●	
162	VIOLET	●					●	●				●	
171	TURQUOISE	●					●					●	
173	OCEAN BLUE							●	●				
283	SEA BLU							●	●				
182	TORMALINE							●					
183	LIME GREEN							●					
150	YELLOW	●					●		●			●	
151	MUSTARD YELLOW							●					
165	CHERRY RED							●	●				
999	TRANSPARENT											●	●
	LIGHT GOLD									●			
	SILVER									●			

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**

MAPEI®

ADHESIVES • SEALANTS • CHEMICAL PRODUCTS FOR BUILDING

SYSTEMS FOR LAYING AND GROUTING PORPHYRY AND INTERLOCKING STONE

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.

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 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 and freeze-thaw cycles.

TECHNICAL DATA:
Pot life of mix: 20 minutes.
Set to foot traffic: 6 hours.
Waiting time before putting into service: 7 days.
Colour: 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.

Mapestone PFS 2 Visco NEW

Low viscosity ready-mixed mortar for grouting architectural slab and block-paved road surfaces.

TECHNICAL DATA:
Pot life of mix: 40 mins.
Set to foot traffic: after 12-24 hours.
Ready for service: after 7 days.
Colour: 110 manhattan, 112 medium grey, 113 cement grey, 141 caramel, 143 terracotta, 299 limestone.
Application: fresh on fresh. Slurry spread over the damp stone with the aid of a rubber rake or poured directly into the joints.
Cleaning: with water before hardening.
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: 15 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 and freeze-thaw cycles with exceptional physical-chemical characteristics suitable for areas exposed to dry/damp cycles specified by exposure class XF4, for grouting architectonic stone floors.

TECHNICAL DATA:
Pot life of mix: 20 minutes.
Set to foot traffic: 6 hours.
Waiting time before putting into service: 7 days.
Colour: 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.

Mapestone TFB 60

Pre-blended mortar for installation screeds for architectonic stone flooring with high compressive strength.

TECHNICAL DATA:
Mixing water: 7-9%.
Waiting time before putting into service: 7 days.
Grouting joints: fresh on fresh.
Storage: 12 months.
Consumption: 20 kg/m^2 per cm of thickness.
Packaging: 25 kg.

ELASTIC SEALANTS AND ADHESIVES

7. ELASTIC SEALANTS AND ADHESIVES

7.1 Acetic silicone sealants

Mapesil AC

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

ISO 11600 F 25 LM
DIN 185405
BS 5889
ASTM C 920
TT S 00230C
TT S 001543A

TECHNICAL DATA:
Movement in service: 25%.
Modulus of elasticity at 100% elongation: 0.35 N/mm².
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 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/mm².
Shore A hardness: 18.
Workability time: 25'.
Colours: transparent, white, 111 grey, 113 grey, 130 jasmine.
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 PU 45 FT NEW

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: 0.70 N/mm².
Shore A hardness: 40.
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%.

ISO 11600 F 25 LM

TECHNICAL DATA:
Movement in service: 25%.
Modulus of elasticity at 100% elongation: 0.25 N/mm².
Shore A hardness: 22.
Workability time: 2 hours.
Colour: 111 grey.
Application: by pouring with extrusion gun.
Consumption: 6.0 linear metres per 600 ml soft-cartridge (10x10 mm section).
Packaging: 600 ml soft-cartridges and 12 kg drums.

Mapeflex PU S25

Low modulus elastic polyurethane sealant for joints for movements up to 25%.

ISO 11600 F 25 LM

TECHNICAL DATA:
Movement in service: 25%.
Modulus of elasticity at 100% elongation: 0.20 N/mm^2.
Shore A hardness: 20.
Colour: grey, beige, off-white.
Application: manual or pneumatic 600 ml gun.
Consumption: according to the size of the joints.
Packaging: 600 ml soft-cartridges in boxes of 24.

7.3 Neutral silicone sealants

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^2.
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%.

ISO 11600 F 25 LM
ISO 11600 G 25 LM
ASTM C 1248
DIN 18540
DIN 18545
BS 5889
TT S 00230C
TT S 001543A
ISO 16938

TECHNICAL DATA:
Movement in service: 25%.
Modulus of elasticity at 100% elongation: 0.35 N/mm^2.
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 MS45

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

ISO 11600 F 20 HM

TECHNICAL DATA:
Movement in service: 20%.
Modulus of elasticity at 100% elongation: 0.66 N/mm^2.
Shore A hardness: 36.
Workability time: 30’ (+23°C, 50% R.H.).
Colours: white, 113 grey, brown, black.
Certification: Polish certificate for contact with drinking water.
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 cartridge.

7.5 Polysulphide Sealants

Mapeflex PS/NS NEW

Two component vertical grade, joint sealant, based on liquid polysulphide polymer. It is particularly recommended for application on Civil structures and high rise buildings. It can be applied vertical as well as horizontal surfaces.

TECHNICAL DATA:
Movement accommodation factor: ±25%.
Shore A hardness: 23-28 (at 25°C).
Workability time: 90 minutes (+25°C).
Colour: grey.
Application: gun grade for vertical and horizontal.
Consumption:

Joints Size (mm)	Litres per LM	LM per 4 litre pack	LM per 2.5 litre pack
10x5	0.050	80.00	50.00
20x10	0.200	20.00	12.50
40x20	0.800	5.00	3.10
50x25	1.250	3.20	2.00

Packaging: 2.5 litres.

Mapeflex PS/SL NEW

Pouring grade, self-leveling multi-component joint sealant, based on liquid polysulphide polymer, and recommended for sealing expansion joints and construction joints (stress relieving joints) in floors or other horizontal surfaces. Horizontal level tolerance should be within 3%.

TECHNICAL DATA:
Movement accommodation factor: ±25%.
Shore A hardness: 17-22 (at 25°C).
Workability time: 120 minutes (+25°C).
Colour: grey.
Application: pouring grade for horizontal surfaces.
Consumption:

Joints Size (mm)	Litres per LM	LM per 4 litre pack	LM per 2.5 litre pack
10x5	0.050	80.00	50.00
20x10	0.200	20.00	12.50
40x20	0.800	5.00	3.10
50x25	1.250	3.20	2.00

Packaging: 4 litres.

7.6 Other sealants

Mapeflex AC4

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

ISO 11600 F 12.5 P up

TECHNICAL DATA:
Movement in service: 12.5%.
Modulus of elasticity at 50% elongation: 0.20 N/mm^2.
Shore A hardness: 10.
Workability time: 10 minutes.
Colours: white and grey.
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-P

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

ISO 11600 F 12.5 P up

TECHNICAL DATA:
Movement in service: 12.5%.
Modulus of elasticity at 50% elongation: 0.11 N/mm^2.
Shore A hardness: 15.
Workability time: 15 minutes.
Colour: white.
Consumption: 3.1 linear metres per 310 ml cartridge (10x10 mm section).
Packaging: 310 ml cartridges.

Ultrabond MS Rapid

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

TECHNICAL DATA:
Viscosity: thixotropic paste.
Open time: 5'.
Initial tensile strength: 25 N.
Final shear strength: 30 kg/cm^2.
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 Super Grip

Adhesive for mounting internal fixtures.

TECHNICAL DATA:
Viscosity: creamy thixotropic paste.
Open time: 10-15 minutes.
Initial tensile strength: 17 N.
Final tensile strength: 32.5 kg/cm^2.
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.

7.7 Accessories and primers for sealants

Mapeflex PS/P NEW

Single component liquid primer, recommended for all porous substrates namely concrete, stone, brickwork, timber, etc.

TECHNICAL DATA:
Application of sealant: after primer is touch dry (any primed areas not sealed within 3 hours of primer application, should be re-primed one hour prior to sealant application).
Application: brush.
Consumption:

Joints Size (mm)	Litres per LM	LM per 4 litre pack	LM per 2.5 litre pack
10x5	0.050	80.00	50.00
20x10	0.200	20.00	12.50
40x20	0.800	5.00	3.10
50x25	1.250	3.20	2.00

Packaging: 1 litre.

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.

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 EI 240. Available in hand-held spray cans (MAPEPUR ROOF FOAM M).

TECHNICAL DATA:
Free expansion: up to 45 litres.
Insulating capacity MAPEPUR ROOF FOAM M: 0.039 W/(m K).
Soundproofing capacity: 58 dB.
Resistance to fire: EI 240 (joints up to 20 mm).
Full hardening time: 1.5/5 hours.
Colour: pink.
Packaging: 750 ml spray can.

MapePUR Roof Foam G
MapePUR Roof Foam M

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 M: 0.039 W/(m K).
Insulating capacity MAPEPUR ROOF FOAM G: 0.036 W/(m K).
Soundproofing capacity: 58 dB.
Tensile strength: 1.2 kg/cm^2.
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 insulating.
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 ROOF FOAM M: 0.039 W/(m K).
Insulating capacity MAPEPUR ROOF FOAM G: 0.036 W/(m K).
Soundproofing capacity: 58 dB.
Full hardening time: 1.5/5 hours.
Colour: yellow.
Packaging: 750 ml spray can.

ADHESIVES AND FINISHING PRODUCTS FOR PARQUET

8. ADHESIVES AND FINISHING PRODUCTS FOR PARQUET

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/m^2.
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^2.
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^2.
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^2.
Storage: 12 months.
Packaging: 9 + 1 kg kit.

Ultrabond Eco S948 1K

One-component, solvent-free, sililated 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^2.
Packaging: 15 kg and 7 kg (2x7 kg) drums.

Ultrabond Eco S955 1K

One-component, solvent-free, sililated 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^2.
Packaging: 15 kg plastic drums.

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^2.
Packaging: 15 kg aluminium bags contained in plastic drums.

Ultrabond P990 1K

One-component, ready-to-use, solvent-free, 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^2.
Packaging: 7 and 15 kg aluminium bags contained in plastic drums. Boxes containing 20x600 cc soft-cartridges.

Ultrabond S965 1K

One-component, solvent-free, sililated 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^2.
Packaging: 15 kg plastic drums.

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^3.
Packaging: 310 ml cartridges.

Silwood Decking

Solvent-free, sililated polymer sealant with a low modulus of elasticity, suitable for sealing all types of wooden floors on internal and external substrates.
Ideal for sealing joints in external wooden floors and joints between different types of flooring materials.

TECHNICAL DATA:
Consistency: paste.
Colour: black.
Sanding and varnishing: 4-5 days after removing traces of excess product.
Storage: 12 months.
Application: extrusion gun.
Consumption: according to the size of the joint.
Packaging: 600 ml soft-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/cm³): 1.0.
Brookfield viscosity (mPa·s): 2000-3000.
Storage: 12 months.
Application temperature range: from +10°C to +35°C.
Sanding: after approx. 1 hour.
Varnishing: after 2 hours with water-based varnish cycles.
EMICODE: EC1 Plus - very low emission.
Consumption: 100-120 g/m² per coat.
Packaging: 5 litre tanks, 2x5 l boxes.

Ultracoat Base One NEW

One-component quick-drying water-based basecoat blender 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.
Consumption: 100 ml/m².
Storage: 12 months.
Packaging: 5 l tanks, 2x5 l 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/cm³): 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/m² per coat.
Packaging: 5 litre tanks.

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 use.

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/m²; successive coats 50-70 ml/m².
Packaging: 5 litre tanks, 2x5 l boxes.

Ultracoat EL

Slow-evaporating mixture to increase the open time of varnish for parquet.

TECHNICAL DATA:
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 NEW

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/m^2.
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 use.

TECHNICAL DATA:

	comp. A	comp. B
Consistency:	liquid	liquid.
Colour:	transparent	off-white.
Density of Ultracoat High Traffic 10 gloss (g/cm^3):	1.040	1.060.
Density of Ultracoat High Traffic 30 gloss (g/cm^3):	1.030	1.120.
Density of Ultracoat High Traffic 60 gloss (g/cm^3):	1.040	1.080.

EMICODE: EC 1 R Plus - very low emission.
Storage: 12 months.
Dusty dry: 25 mins.
Touch dry: 40 mins.
Maximum permitted dilution ratio (Dir. 2004/42/EEC): 10% with clean water.
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/m^2; successive coats 50-70 ml/m^2.
Packaging: 11 l kits (A+B) 2x5.5 l.

Ultracoat HT Sport NEW

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).
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/m^2;
– floors with low absorbency: approx. 70 g/m^2.
Packaging: 5 litre tanks, 2x5 l boxes.

Ultracoat Oil Care

Natural drying resin oil in water dispersion for finishing wooden floors treated with oil.

TECHNICAL DATA:
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^2.
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/cm^3): 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^2 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^3): 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^2 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/cm³): 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 l tanks.

Ultracoat Premium Base

Two-component, NMP-free, water-based 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 water-based finishing cycles.

TECHNICAL DATA:

	comp. A	comp. B
Consistency:	liquid	liquid.
Colour:	milky white	transparent.
Density (g/cm³):	1.030	1.075.
Storage:	12 months	12 months.

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/m² 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/cm³): 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/m².
Packaging: 5 l cans (2x5 l 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/m² per coat.
Packaging: 5.5 l units (2x5.5 l boxes).

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/m² per coat.
Packaging: 6 l 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 m².
Packaging: 5 litres.

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/m² per coat.
Packaging: 5 litre units.

ADHESIVES FOR RESILIENT AND TEXTILE COVERINGS

9. ADHESIVES FOR RESILIENT AND TEXTILE COVERINGS

9.1 Adhesives in water dispersion

Adesilex MT32

Adhesive in water dispersion for laying all types of wall coatings: tufted wallpaper, flock-print, heavy fabrics, glass fibre fabrics, etc.

TECHNICAL DATA:
Consistency: creamy paste.
Colour: white
Waiting time: from 0 to 10 minutes.
Open time: maximum 30 minutes.
Storage: 12 months. Protect from frost.
EMICODE: EC1 Plus - very low emission.
Application: N°1 notched trowel on the wall or, after dilution, by roller on the coating.
Consumption: 0.15-0.25 kg/m^2.
Packaging: 5 and 20 kg drums.

Mapecryl Eco

Acrylic adhesive in water dispersion for vinyl and textile floors with very low emission level of volatile organic compounds (VOC).

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^2.
Packaging: 16 and 25 kg drums.

Ultrabond Eco 4 LVT

Fibre-reinforced LVT adhesive. Specifically developed for the installation of LVT floorings, it guarantees the highest performances in terms of adhesion and dimensional stability.

TECHNICAL DATA:
Consistency: creamy paste.
Colour: light beige.
Density (g/cm^3): 1.20.
Waiting time: 0-10 minutes.
Open time: 20-30 minutes.
Set to light foot traffic: 3-5 hours.
Ready for use: 48-72 hours.
EMICODE: EC1 Plus - very low emission.
Storage: 12 months. Protect from frost.
Application: N° 1 notched trowel, TKB A1, A2.
Consumption: Mapei N° 1 trowel: 0.25 to 0.30 kg/m^2.
Packaging: 16 kg and 5 kg drums.

Ultrabond Eco 140 NEW

Adhesive in water dispersion with very low emission level of volatile organic compounds (VOC), for textile floors.

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° 2 notched trowel, TKB A1, A2, B1, B2.
Consumption: 0.30-0.50 kg/m^2.
Packaging: 16 kg drums.

Ultrabond Eco 170

Adhesive in water dispersion with a quick, strong initial bond and very low emission level of volatile organic compounds (VOC), specially formulated for textile flooring.

TECHNICAL DATA:
Consistency: creamy paste.
Colour: light beige.
Waiting time: from 10 to 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 notched trowel, TKB A2, B1, B2.
Consumption: 0.25-0.45 kg/m^2.
Packaging: 16 kg drums.

Ultrabond Eco 375

Adhesive in water dispersion with a strong and quick initial bond, long open time and very low emission level of volatile organic compounds (VOC), for vinyl floors.

TECHNICAL DATA:
Colour: light beige.
Waiting time: 10-20 minutes.
Open time: 40-50 minutes.
Set to foot traffic: 3-4 hours.
Waiting time before putting into service: approx. 24-48 hours.
Storage: 12 months.
EMICODE: EC1 Plus - very low emission.
Application: N° 1 trowel, TKB A2, B1.
Consumption: 0.25-0.35 kg/m^2.
Packaging: 16 kg drums.

Ultrabond Eco 380

Adhesive in water dispersion with a strong initial bond, long open time, for vinyl floors.

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 notched trowel, TKB A2, B1.
Consumption: 0.25-0.35 kg/m^2.
Packaging: 16 kg drums.

Ultrabond Eco 520

Adhesive in water dispersion with a strong initial bond and very low emission level of volatile organic compounds (VOC), specially formulated for linoleum.

TECHNICAL DATA:
Consistency: creamy paste.
Colour: light beige.
Waiting time: from 10 to 20 minutes.
Open time: 20-30 minutes.
Set to light foot traffic: approximately 3-5 hours.
Ready for use: 24-48 hours.
EMICODE: EC1 Plus - very low emission.
Storage: 12 months. Protect from frost.
Application: N° 2 trowel, TKB B1/B2.
Consumption: from 0.3 to 0.5 kg/m^2.
Packaging: 16 kg drums.

Ultrabond Eco 530

Linoleum adhesive with a rapid, strong initial bond. Suitable for the installation of linoleum on the fresh adhesive film.

TECHNICAL DATA:
Consistency: creamy paste.
Colour: light beige.
Waiting time: 0-10 minutes.
Open time: 15-20 minutes.
Set to light foot traffic: after approx. 3-5 hours.
Ready for use: after at least 24-48 hours.
EMICODE: EC1 Plus – very low emission.
Storage: 12 months in its original sealed packaging. Avoid prolonged exposure to frost.
Application: N° 2 trowel, TKB B1/B2.
Consumption: 0.3-0.45 kg/m^2.
Packaging: 16 kg drums.

Ultrabond Eco Fast Track

Fast grip, high performance adhesive in water dispersion for quick renovation of resilient floor coverings and for installing skirtings, coves and profiles.

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 or 2 trowel, TKB A1, A2, B1, B2.
Consumption: 0.25-0.40 kg/m^2.
Packaging: 7 kg drums.

Ultrabond Eco Fix

Adhesive in water dispersion which remains permanently tacky with very low emission level of volatile organic compounds (VOC), for self-laying flooring tiles.

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 - very low emission.
Storage: 12 months. Protect from frost.
Application: N° 1 trowel or by roller.
Consumption: 0.10-0.20 kg/m^2.
Packaging: 10 kg drums.

Ultrabond Eco Remove NEW

Water-removable adhesive and fixative for laying textile and resilient flooring.

TECHNICAL DATA:
Consistency: creamy paste.
Colour: light beige.
Waiting time: 0-10 minutes (when it turns opalescent when used as a fixative).
Set to foot traffic: 3-5 hours (immediate when used as a fixative).
Ready for service: 24-48 hours (immediate when used as a fixative).
Storage: 12 months.
Application: N° 1 MAPEI trowel, TKB A1 or A2.
Consumption: 150-300 g/m^2.
Packaging: 16 kg drums.

Ultrabond Eco Tack

Adhesive with permanent tack in water dispersion with a very low emission of volatile organic compounds for self-laying textile squares.

TECHNICAL DATA:
Consistency: liquid.
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 - very low emission.
Storage: 12 months.
Application: by roller.
Consumption: 0.1-0.2 kg/m^2.
Packaging: 15 kg drums.

Ultrabond Eco Tack 4 LVT

Permanent tack adhesive in water dispersion for loose lay LVT floor.

TECHNICAL DATA:
Consistency: liquid.
Colour: light beige.
Waiting time: install flooring when the adhesive becomes transparent (after 2-12 hours, depending on surrounding conditions and absorption of the substrate).
Set to foot traffic: immediately after installation.
Ready for service: immediately after installation.
EMICODE: EC1 - very low emission.
Storage: 12 months. Protect from frost.
Application: roller.
Consumption: 0.1-0.2 kg/m^2.
Packaging: 15 kg drums.

Ultrabond Eco TX3 NEW

Adhesive with excellent rapid tack for laying textile and linoleum 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° 2 notched trowel, TKB B1, B2.
Consumption: 0.30-0.50 kg/m^2.
Packaging: 5, 16 and 25 kg drums.

Ultrabond Eco V4 SP

Multi-purpose, acrylic adhesive in water dispersion with a long open time and very low emission level of volatile organic compounds (VOC), for laying rubber, PVC, vinyl, polyolephinic, linoleum and carpet flooring.

TECHNICAL DATA:
Consistency: creamy paste.
Colour: light beige.
Waiting time: approximately 10-20 minutes.
Open time: 30-40 minutes.
Set to light foot traffic: after 3-5 hours.
Ready for use: 24-48 hours.
EMICODE: EC1 Plus - very low emission.
Storage: 12 months. Protect from frost.
Application: N° 1 or 2 notched trowel, TKB A1, A2, B1, B2.
Consumption: 0.25-0.5 kg/m^2.
Packaging: 8 and 16 kg drums.

Ultrabond Eco V4 SP Conductive

Light-coloured adhesive in water dispersion with very low emission level of volatile organic compounds (VOC) for installing conductive vinyl, rubber and textile flooring.

TECHNICAL DATA:
Consistency: creamy paste.
Colour: light grey.
Waiting time: from 0 to 10 minutes.
Open time: 15 minutes.
Set to light foot traffic: 3-5 hours.
Ready for use: after approx. 48-72 hours.
Electrical resistance: 100,000 ohm.
EMICODE: EC1 Plus - very low emission.
Storage: 12 months. Protect from frost.
Application: notched trowel.
Consumption: 0.3-0.4 kg/m².
Packaging: 16 kg drums.

Ultrabond Eco V4 SP Fiber

Multi-purpose, acrylic adhesive in water dispersion with extended open time and very low emission level of volatile organic compounds (VOC) improved by adding fibres, particularly suitable for laying rubber and PVC flooring.

TECHNICAL DATA:
Consistency: creamy paste.
Colour: light beige.
Waiting time: approximately 0-10 minutes.
Open time: 20-30 minutes.
Set to 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 or 2 notched trowel, TKB A1, A2, B1, B2.
Consumption: 0.25-0.5 kg/m².
Packaging: 16 kg drums.

Ultrabond Eco VS30 NEW

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/m².
Packaging: 16 and 25 kg drums.

Ultrabond Eco VS90 Plus

Universal high temperature adhesive in water dispersion with very low emission level of volatile organic compounds for resilient floor coverings.

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 or 2 trowel, TKB A1/A2, B1/B2.
Consumption: 0.25-0.50 kg/m².
Packaging: 16 kg drums.

Ultrabond Super Grip

Adhesive for mounting internal fixtures.

TECHNICAL DATA:
Viscosity: creamy thixotropic paste.
Open time: 10-15 minutes.
Initial tensile strength: 17 N.
Final tensile strength: 32.5 kg/cm^2.
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 section).
Packaging: 310 ml cartridges.

Ultrabond TX57 NEW

Adhesive with high rapid tack for laying textile and linoleum flooring.

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.
Storage: 12 months. Protect from frost.
Application: N° 2 notched trowel, TKB A1, A2, B1, B2.
Consumption: 0.30-0.55 kg/m^2.
Packaging: 5 kg, 12 kg and 25 kg drums.

9.2 Grouts for LVT

Flexcolor 4 LVT

Ready to use grout for Luxury Vinyl Tiles.

TECHNICAL DATA:
Consistency: thick paste.
Colors: 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.
Application: rubber float.
Cleaning and finishing: Scotch-Brite® pad and MAPEI sponge.
EMICODE: EC1 - very low emission.
Storage: 12 months.
Consumption: according to the size of the joints.
Packaging: 5 kg drums.

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.
Color: 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 notched trowel, TKB A1, A2, B1, B2, C1.
Consumption: 0,35-1,0 kg/m^2.
Packaging: 5 and 10 kg drums.

Adesilex G19 Conductive

Two-component, epoxy-polyurethane one-buttering 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 or 2 notched trowel, TKB A2, B1, B2, B3.
Consumption: 0.3-0.45 kg/m².
Packaging: 10 kg drums.

Adesilex G19 Fast

Fast setting, 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.
Color: 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: 12 months.
Application: nr. 1, 2, 3, 4 MAPEI notched trowel, TKB A1, A2, B1, B2, C1.
Consumption: 0.35-1.0 kg/m².
Packaging: 10 kg drums.

Adesilex G20

Low viscosity, two-component 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: 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 MAPEI notched trowel, TKB A1, A2, B1, B2.
Consumption: 0.35-0.55 kg/m².
Packaging: 5 and 10 kg drums.

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 or 2 notched trowel, TKB A1, A2, B1, B2.
Consumption: 0.3-0.6 kg/m².
Packaging: 10 kg drums.

Ultrabond Eco MS 4 LVT NEW

One-component, polymer-silylate adhesive for LVT.
Particularly suitable for laying LVT and PVC in wet environments.

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, 2 notched trowel, TKB A1, A2, B1.
Consumption: 0.25-0.45 kg/m².
Packaging: 15 kg drums.

Ultrabond Eco MS 4 LVT/Wall NEW

One-component, polymer-silylate adhesive for the installation of LVT on walls.

TECHNICAL DATA:
Consistency: creamy paste.
Colour: ivory.
Open time: 20-30 minutes.
Ready for use: 24 hours.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months.
Application: N° 1, 2 notched trowel, TKB A1, A2, B1.
Consumption: 0.25-0.45 kg/m².
Packaging: 7 kg drums.

Ultrabond Eco S1000 1K

One-component, fibre-reinforced, silylate polymer-based adhesive for rubber, polyolefine and linoleum floor coverings.

TECHNICAL DATA:
Consistency: creamy paste.
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.
Storage: 12 months.
Application: MAPEI n. 1 or 2, TKB A1/A2/B1 notched trowel.
Consumption: 0.25-0.45 kg/m².
Packaging: 15 kg drums.

9.4 Polychloroprenic and elastomeric contact adhesives

Ultrabond Eco Contact

Solvent-free contact adhesive for resilient and textile floor and wall coverings. ULTRABOND ECO CONTACT is a contact adhesive which has to be applied on both the substrate and the back of the material. It is 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/m² per coat on every kind of surface.
Packaging: 10 and 5 kg drums.

9. ADHESIVES FOR RESILIENT AND TEXTILE COVERINGS

9.5 Cementitious adhesives

Granirapid

Two-component, high-performance, fast-setting and hydrating cementitious adhesive for ceramic tiles and stone materials.

TECHNICAL DATA:
Consistency: comp. A: powder; comp. B: thick liquid.
Colours: comp. A: grey and white; comp. B: greenish white.
Mixing ratio: GRANIRAPID white:
comp. A: 22.5 kg + comp. B: 5.5 kg.
GRANIRAPID grey:
comp. A: 25 kg; comp. + B: 5.5 kg.
Pot life of mix: 45 minutes.
Application temperature range: from +5°C to +40°C.
Open time: approx. 20 minutes.
Setting time: approx. 2 hours.
Set to light foot traffic: after 3-4 hours.
Ready for use: after approx. 24 hours (basins and swimming pools can be filled after 3 days).
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months in a dry place in original unopened packaging.
Application: N° 4, 5, 6 or 10 notched trowel.
Consumption: 3-8 kg/m^2.
Packaging: GRANIRAPID white: 28 kg kit
comp. A: 22.5 kg bag; comp. B: 5.5 kg drum.
GRANIRAPID grey: 30.5 kg kit
comp. A: 25 kg bag; comp. B: 5.5 kg drum.

9.6 Adhesive strips

Mapecontact

Reinforced adhesive strip for laying profiles, base-boards, covings and resilient and textile coatings on steps.

TECHNICAL DATA:
Colour:
– adhesive: transparent;
– reinforcement: orange.
Weight per m^2: 0.38 kg/m^2.
Application temperature range: from +15°C to +35°C.
Waiting time: none, bonds immediately.
Set to 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.

9.7 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 plastic drums. Also available in 15 kg metallic drums.

Ultrabond Turf LS

One-component, ready-to-use sililated polymer-based adhesive for bonding decorative synthetic grass.

TECHNICAL DATA:
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 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.

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 30 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: 4x5 and 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 DESIGN and KERAPOXY CQ) from the surface of ceramic and glass 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

System for laying removable ceramic tiles and stone material. Also used for isolating and anti-fracture layers.

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.

Mapetiles Removable System

Removable soundproofing and isolating system for installing ceramic flooring comprising MAPECONTACT RELEASE double-sided adhesive band and MAPESONIC CR soundproofing sheets.

TECHNICAL DATA:
MAPECONTACT RELEASE:
EMICODE: EC1 Plus - very low emission.
Storage: 12 months.
Packaging: boxes measuring 14x14x84 cm (containing 1 roll 750 mm x 25 m + 1 roll 50 mm x 25 m - total 20 m^2).

MAPESONIC CR:
EMICODE: EC1 Plus - very low emission.
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.

Application: see System Data Sheet.

Ultracare 5 Sides Sealer

Natural look, water-based sealer designed to resist stains.

LEED Points Contribution
IEQ Credit 4.2, Low-Emitting Materials - Paints and Coatings 1 point.

TECHNICAL DATA:
Density (kg/l): 1.04.
Consistency: liquid.
Colour: transparent/yellowish.
Application temperature: from +5°C to +40°C.
Stain resistance: good.
Cure time: 12 hours at +23°C and 50% RH.
Storage: 12 months in original sealed container.
Consumption: according to density, porosity, texture, surface absorption, weather conditions, application method, and number of coats. Approx. 50-150 g/m^2.
Packaging: 5 kg drums.

Ultracare Penetrating Plus

Premium, natural-look, water-based penetrating sealer that provides maximum protection against most common stains for all interior and exterior natural stone, unglazed ceramic tile, masonry and grout.

TECHNICAL DATA:
Consistency: clear liquid.
Odour: odourless.
Physical state: liquid.
VOCs: < 45 g/L.
Storage: 12 months in original sealed container.
Consumption: according to density, porosity, texture, surface absorption, weather conditions, application method, and number of coats. Approx. 18.6-130 m^2.
Packaging: 3.79 kg drums.

Ultracare Penetrating Plus SB

Premium, natural-look, solvent-based penetrating sealer that uses VOC-exempt materials and provides maximum protection against most common stains for all interior and exterior natural stone, unglazed porcelain and ceramic tiles, masonry, quarry tiles and cementitious grout.

TECHNICAL DATA:
Consistency: clear liquid.
Odour: odourless.
Physical state: liquid.
VOCs: 125 g/L.
Storage: 12 months in original sealed container.
Consumption: according to the type of stone or tile used, porosity, texture of the surface, ambient temperature, humidity, and application method. Approx. 46.5-92.9 m^2.
Packaging: 3.79 kg drums.

Ultracare Concentrated

Highly concentrated neutral cleaner for everyday use. Helps to maintain tile and stone surfaces, as well as grout, in pristine condition.

TECHNICAL DATA:
Consistency: clear liquid.
Odour: lemon odour.
Physical state: liquid.
VOCs: 40 g/L.
Storage: 12 months in original sealed container.
Consumption: according to dilution ratio used, density, porosity, and texture of the surface; how long the solution is left on a surface, application method, and severity of the cleaning required.
Approx. 1,486-2,973 m^2.
Packaging: 3.79 kg drums.

10.2 Complementary products for laying resilient and textile coverings

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^2.
Packaging: 25 m rolls. Weight of roll approx. 57 kg.

Primer G Conductive

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

TECHNICAL DATA:
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^2.
Packaging: 10 kg drums.

10.3 Accessories, abrasive disks and products for the maintenance of parquet

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/m^2.
Packaging: 1 litre bottles (0.85 kg) in boxes of 12 bottles.

Mapei Spray Mop NEW

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.

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 NEW

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 NEW

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.
Packaging: boxes of 6 pads.

Ultracoat Polish Anti-Slip NEW

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 NEW

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 NEW

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 MT8 NEW

Handle for ULTRACOAT ROLLER T3, ULTRACOAT ROLLER T5 and ULTRACOAT ROLLER T10 rollers.

Ultracoat Roller Quick

Air-tight container for storing ULTRACOAT ROLLER after being used and then cleaned.
Packaging: boxes of 20 pieces.

Ultracoat Roller T3 NEW

Roller for applying ULTRACOAT OIL, ULTRACOAT OIL PLUS, ULTRACOAT OIL WAX and ULTRACOAT OIL COLOR.

Ultracoat Roller T5 NEW

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 NEW

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.

PRODUCTS FOR RESIN AND CEMENTITIOUS FLOORS

11. PRODUCTS FOR RESIN AND CEMENTITIOUS FLOORS

11.1 Resin based products

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^3): 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^2 per coat.
Packaging: 5 kg kits (A + B).

Mapecoat I 24

Two-component epoxy paint for anti-acid coatings on concrete surfaces.

TECHNICAL DATA:
Mixing ratio: comp. A : comp. B = 4 : 1.
Colour of mix: white, grey (Ral 7001) and neutral.
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^2 per coat.
Packaging:
– 5 kg kits (A+B);
– 15 kg kits (A+B).

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/m^2 according to the absorption.
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^2 according to absorption.
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.

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/m² 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.

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 +10°C and +30°C.
Consumption: approximately 0.25 kg/m² 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).

Mapecolor CPU

Powder system 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 ± 0.05 g/cm³.
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 +30°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.

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°C to +40°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·h$^{0.5}$): 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 solution.

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$^{0.5}$): 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/mm².
Flexural strength after 7 days at +23°C (EN 196-1): 5.19 N/mm².
Storage: 6 months in its original sealed packaging.
Application: rake, straight-edge, smooth trowel and mechanical vibro-compactor.
Consumption: 1 kg/m² per cm of thickness.
Packaging: 5 kg drums.

Mapefloor CPU/COVE

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 136-1): ≥ 40 N/mm^2.
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/m^2 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^2.
Flexural strength: 15 N/mm^2.
Storage: 12 months in its original sealed packaging.
Application: smooth trowel or rake with spacers.
Consumption: 1.7 kg/m^2 per mm of thickness.
Packaging: 30.6 kg kits (A+B+C).

Mapefloor CPU/NZ NEW

Three-component easy-to-apply high-strength polyurethane/cement-based 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^2.
Compressive strength after 28 days (UNI EN 13892-2): 62.80 N/mm^2.
Storage: 12 months in its original sealed packaging.
Consumption: 1.9 kg/m^2 per mm of thickness.
Packaging: 21.3 kg kit (A+B+C).

Mapefloor CPU/RT

Three-component, high-strength, easy-to-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): 13.80 N/mm^2.
Compressive strength after 28 days (EN 13892-2): 61.70 N/mm^2.
Storage: 12 months in a dry area in its original, closed packaging.
Consumption: 1.9 kg/m^2 per mm of thickness.
Packaging: 23.3 kg kits (A+B+C).

Mapefloor CPU/TC

Three-component polyurethane/ cement-based 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 green.
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^2;
– finishing coat on MAPEFLOOR CPU/MF with a dry-shake finish of quartz sand: 0.3-0.6 kg/m^2.
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.

TECHNICAL DATA:
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): 50 N/mm^2.
Flexural strength after 7 days (EN 196-1): 25 N/mm^2.
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^2 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 wear-resistant 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 ageing: excellent.
Resistance to oils: excellent.
Resistance to acids and alkalis: excellent.
Compressive strength after 7 days (EN 196/1): 50 N/mm^2.
Flexural strength after 7 days (EN 196/1): 20 N/mm^2.
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^2 per cm of thickness.
Packaging: 10 kg kits (A+B+C).

Mapefloor FC 200 ME NEW

Two-component epoxy formulate with 100% solid content used to create multi-layered resin coatings with an attractive smooth or non-slip surface.

TECHNICAL DATA:
Mixing ratio: comp. A : comp. B = 2.85:1.
Colour of mix: Ral colors - Please contact head office.
Density of mix: 1.39 kg/Lt.
Viscosity of mix at 25°C (mPa.s): 1200.
Workability time: 60 minutes.
Set to light foot traffic at +25°C: 24 h.
Flexural strength after 7 days (EN 196-1): 42 N/mm².
Compressive strength after 7 days (EN 196-1): 80 N/mm².
Storage: 12 months in a dry area in its original, closed packaging.
Consumption: 0.2-0.25 Lt/m² depending on the condition of the surface to be treated, absorbency, roughness, and the actual conditions on site.
Packaging: 15 liter kits (A+B = 11.1Lt +3.9Lt).

Mapefloor Finish 50 N

Two-component, aliphatic, transparent polyurethane finish for absorbent surfaces.

TECHNICAL DATA:
Mixing ratio: comp A: comp. B = 4.9 : 5.1.
Colour of mix: transparent.
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 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/m² 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.
Gloss: 80.
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/m² according to the grade of finish required for the coating material.
Packaging: 2 kits (A+B) of 5 + 0.5 l 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* spray system.
Consumption: 0.1-0.2 kg/m^2 according to the grade of finish required for the coating material.
Packaging: 2 kits (A+B) of 5 + 0.5 l units.

Mapefloor Finish 55

Two-component, aliphatic, highly-flexible polyurethane finish resistant to wear and UV rays.

TECHNICAL DATA:
Mixing ratio: comp A : comp B = 5.1 : 4.
Colour of mix: Ral colors - Please, contact head office.
Consistency of mix: fluid paste.
Density of mix (kg/m^3): 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.
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: 6 months in its original sealed packaging at a temperature between +15°C and +25°C.
Consumption: 0.15-0.35 kg/m^2.
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/m^3): 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/m^2 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/m^3.
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/mm^2.
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^2.
Packaging: 12.5 kg kits (A+B).

Mapefloor Finish 451

Two-component, aliphatic, elastic coloured polyurethane finish resistant to wear and UV rays.

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/m³): 1,480.
Viscosity of mix (mPa·s): 1,500 ± 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 +50°C: 43%.
Tear strength after 7 days at +23°C + 14 days at +50°C (N/mm²): 97.
Tensile strength after 7 days at +23°C + 14 days at +50°C (N/mm²): 12.2.
Taber abrasion resistance (CS17 disk - 1,000 g - 1,000 revs) after 7 days at +23°C: 150.
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.

TECHNICAL DATA:
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.
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 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, neutral-coloured 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/m² 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/m² for finishing layers in 1 mm and 3 mm thick non-slip coatings on substrates primed with PRIMER SN.
Packaging: 8 and 20 kg kits (A+B).

Mapefloor I 300 SL TRP

Two-component, transparent, non-yellowing 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/mm².
Flexural strength (ISO 178): 25 N/mm².
Surface hardness (shore D): 80.
Taber Test CS17 disk, 1000 cycles, 1000 g (DIN 52108): 80 mg.
Storage: 12 months in its original sealed packaging.
Application: N° 7 notched trowel.
Consumption: approx. 1-1 kg/m² to form a 1 mm thick coat.
Packaging: 18 kg kits (A+B).

Mapefloor I 320 SL CONCEPT

Self-levelling epoxy coating with a coloured granular finish for abrasion-resistant 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/mm^2.
Flexural strength after 7 days at +23°C (DIN EN 196-1): 31 N/mm^2.
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^2.
Packaging: 16.8 kg kits (A+B).

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/m^3): 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): $10^4<R_E<10^6$.
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/mm^2): approx. 80 (MAPEFLOOR I 360 AS (without fillers).
Flexural strength after 28 days at +23°C (EN 196-1) (N/mm^2): approx. 40 (MAPEFLOOR I 360 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/mm^2): ≥ 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/m^2.
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: fluid.
Density of mix (kg/m^3): 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): $10^4<R_E<10^6$.
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/mm^2): approx. 80 (MAPEFLOOR I 390 EDF without fillers).
Flexural strength after 28 days at +23°C (EN 196-1) (N/mm^2): 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/mm^2): ≥ 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/m^2.
Packaging: 20 kg kit (A + B).

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.
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/m^2;
– for 5 mm thick, multi-layered non-slip systems:
as first layer:
MAPEFLOOR I 500 W 2-2.5 kg/m^2;
QUARTZ 0.5 5 kg/m^2;
as second layer:
MAPEFLOOR I 500 W 2-2.5 kg/m^2;
QUARTZ 0.5 5 kg/m^2;
as finishing layer:
MAPEFLOOR I 500 W 0.7 kg/m^2
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^2;
– 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^2;
– 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.

TECHNICAL DATA:
Mixing ratio: comp. A : comp. B = 3 : 1.
Colour of mix: transparent yellow.
Consistency of mix: fluid.
Density of mix (kg/m^3): 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/mm^2): > 2.5 (failure of concrete).
Pull-out after 7 days on damp concrete (N/mm^2): 2.4 (failure of concrete).
Storage: 24 months in its original sealed packaging.
Application: rubber spatula, roller or brush.
Consumption: 500-700 g/m^2 (depending on the absorption of the substrate).
Packaging: 28 kg kit (A + B).

Mapefloor PU 400 LV

Two-component, self-levelling, neutral-coloured, highly flexible polyurethane binder with fillers.

TECHNICAL DATA:
Mixing ratio: comp. A : comp. B = 24 : 76.
Colour of mix: neutral.
Consistency of mix: viscous fluid.
Pot life at +23°C: 59 minutes.
Dusty dry: 4-6 hours.
Set to light foot traffic: 24 hours.
Final hardening time: 7 days.
Elongation (DIN 53504): approx. 470%.
Shore A hardness after 28 days: 70.
Storage: 6 months in its original sealed packaging.
Application: notched trowel.
Consumption: from 1.5 to 2 kg/m^2 according to the condition of the substrate.
Packaging: 19.75 kg kits (A + B).

Mapefloor PU 410

Two-component, self-levelling, neutral-coloured, 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^2.
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.

TECHNICAL DATA:
Mixing ratio: component A : component B = 75 : 25.
Viscosity of mix at +23°C (mPa·s): 2,000 (# 5 - 50 rpm).
Colour of mix: colours please contact MAPEI Head Office.
Consistency of mix: self-levelling fluid paste.
Density of mix (kg/m^3): 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/m^2 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): 3,100 (# 5 - 50 rpm).
Colour of mix: colours please contact MAPEI Head Office.
Consistency of mix: self-levelling fluid paste.
Density of mix (kg/m^3): approx. 1,400.
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^2 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 and red.
Consistency of mix: liquid.
Dry substances content (%): 70.
Density of mix (kg/m^3): 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^2.
Packaging: 5 kg kits (A + B).

Primer SN

Two-component epoxy primer with fillers.
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/m² per coat, depending on the absorbency and characteristics of the substrate.
Packaging: 20 kg kits (A+B).

Primer SN Rasante

Two-component, epoxy skimming product for cementitious surfaces, also on vertical surface.

TECHNICAL DATA:
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 coatings.

TECHNICAL DATA:
Mixing ratio: comp. A : comp. B = 25 : 75.
Colour of mix: black.
Consistency of mix: fluid.
Density of mix (kg/m³): 1,220.
Viscosity of mix (mPa·s): 950 (# 4 - 50 rpm).
Workability time: +10°C approx. 120 min. +20°C approx. 90 min. +30°C approx. 30 min.
Application temperature range: from +10°C to +30°C.
Electrical resistance: $10^3 < R_E < 10^4$ Ohm (typical resistance at earthing points).
N.B.: these values may vary according to surrounding conditions (temperature and humidity) and the equipment used to take the readings.
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 dry shake hardener for concrete floors made of special well-graded quartz, Portland cement and special additives.

TECHNICAL DATA:
Colour of mix: light grey.
Density of mix (kg/m³): 2,200.
pH of mix: >12.5.
Application temperature range: from +5°C to +40°C.
Compressive strength EN 13892/2 (N/mm²): > 40 (after 1 day); > 70 (after 28 days).
Flexural strength EN 13892/2 (N/mm²): > 7 (after 1 day); > 9 (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$^{0.5}$): < 0.1.
Böhme abrasion resistance EN 13892/3: Class 6.
Reaction to fire EN 13501: Euroclass $A1_{fl}$.
Storage: 12 months in a dry place in original sealed packaging.
Application: by sprinkling.
Consumption:
– manual application: from 1.5 to 2.5 kg/m² per layer;
– mechanical application: from 3 to 5 kg/m².
Packaging: 25 kg bags.

Mapetop S AR3 NEW

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.
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 $A1_{fl}$.
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

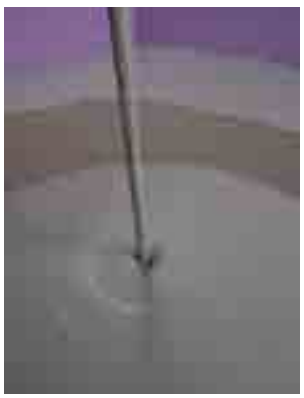
Self-levelling, ultra-quick hardening mortar with special hydraulic binders, applied at a thickness between 5 and 40 mm to create abrasion-resistant floors.

TECHNICAL DATA:
Colour: white, beige, light grey, rust red, anthracite and standard.
Mixing ratio: 20-22 parts of water per 100 parts in weight of ULTRATOP.
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 N/mm².
Flexural strength after 28 days at +23°C: ≥ 11 N/mm².
Böhme abrasion resistance after 28 days at +23°C: 9 cm³/50 cm².
EMICODE: EC1 R - 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 Color Paste

Colouring pastes for colouring the ULTRATOP LOFT system.

TECHNICAL DATA:
Consistency: fluid paste.
Colours: black, brown, blue, yellow and red.
Density: 1.16-1.75 g/cm³ depending on colour.
Application: add and mix to the mixing water for preparing ULTRATOP LOFT F and ULTRATOP LOFT W.
Consumption: from 0.1 to 2% by weight of ULTRATOP LOFT F and ULTRATOP LOFT W depending on the intensity of colour required.
Packaging: 1 kg cans.



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/mm².
Flexural strength after 28 days at +23°C: ≥ 9 N/mm².
Böhme abrasion resistance after 28 days at +23°C: 11 cm³/50 cm².
EMICODE: EC1 R - 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 coarse-textured 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^3.
Mixing ratio: approx. 32-35 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^2.
Flexural strength at +23°C after 28 days: 10 N/mm^2.
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^2.
Packaging: 20 kg bags.

Ultratop Loft W

One-component trowellable fine-textured cementitious paste applied in layers 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/m^3.
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/mm^2.
Flexural strength at +23°C after 28 days: 12 N/mm^2.
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^2.
Packaging: 20 kg bags.

Ultratop Stucco

Grout made from special hydraulic binders for sealing micro-porosity which forms after the first polishing phase of ULTRATOP.

TECHNICAL DATA:
Consistency: fine powder.
Colour: white, beige, light grey, red, anthracite and *standard*.
Storage: 12 months in its original sealed packaging.
Bulk density: 850 kg/m^3.
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/m^3.
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/m^3.
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.

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^3.
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^2.
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.

Mapelux Lucida

Double-reticulation, high-strength shiny metallic wax.

TECHNICAL DATA:
Appearance: emulsion.
Colour: bluish-white.
Application temperature range: from +10°C to +30°C.
pH: 8.4 ± 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^2.
Packaging: 10 kg tanks.

Mapelux Opaca

Double-reticulating, high-strength matte metallic wax.

TECHNICAL DATA:
Appearance: emulsion.
Colour: bluish-white.
Application temperature range: from +10°C to +30°C.
pH: 8.4 ± 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^2.
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 ME

Calibrated silica sand used as a “filler” and/or for “sprinkling” on epoxy systems.

TECHNICAL DATA:
Colour: beige.
Size of inerts: 0-500 microns.

Quartz 0.5 ME

Calibrated silica sand used as a “filler” and/or for “sprinkling” on epoxy systems.

TECHNICAL DATA:
Colour: beige.
Size of inerts: 0.5-1.0 mm.

Quartz 0.9 NEW

Quartz sand used as a filler and/or for broadcasting epoxy and polyurethane systems.

TECHNICAL DATA:
Colour: greyish white.
Maximum size of aggregates: 0.9 mm.
Packaging: 25 kg bags.

Quartz 1.2 ME

Calibrated silica sand used as a "filler" and/or for "sprinkling" on epoxy systems.

TECHNICAL DATA:
Colour: beige.
Size of inerts: 0.8-1.2 mm.

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/m^2.
Mesh size: 15.7 x 10.1 mm.
Packaging: 50 x 1 m.

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.
Final hardening time: approximately 1 hour (at +20°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 NEW

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/m² 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 NEW

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 NEW

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 thickness.
Packaging: 25 kg vacuum-packed polyethylene bags.

Mapegrout SV ME

Fast-setting and hardening, compensated-shrinkage easy-flow mortar for repairing concrete and for fixing inspection shafts, manholes and highway coating materials.

TECHNICAL DATA:
Maximum dimension of aggregate: 2.5 mm.
Mixing ratio: 100 parts of MAPEGROUT SV ME with 12-13 parts of water (3.12-3.25 l of water for every 25 kg bag).
Pot life of mix: 40 minutes (at +23°C).
Minimum applicable thickness: 3 cm.
Maximum applicable thickness: 5 cm per layer.
Classification: EN 1504-3 - class R4 structural mortar.
Storage: 12 months in a dry place in original unopened packaging.
Colour: grey.
Application: pouring into formwork.
Consumption: 20 kg/m² per cm of thickness.
Packaging: 25 kg bags.

Mapegrout SV Fiber

Hi-flow, steel fibre-reinforced compensated-shrinkage, quick-setting 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 thickness.
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.

Primer RM NEW

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/m^2 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^3.
Dry solids content: 3%.
Storage: 12 months.
Application: brush, roller or spray (low pressure manual spray gun).
Consumption: 0.1-1.0 kg/m^2 (according to the type of substrate, porosity and depth to be consolidated).
Packaging: 10 kg metallic drums.

Consolidante ETS 10

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^3.
Dry solids content: 10%.
Storage: 12 months.
Application: brush, roller or spray pack or injection with hand or electronic pump.
Consumption: 0.1-1.0 kg/m^2 (depending on type of substrate and depth to be consolidated).
Packaging: 10 kg metal drums.

Consolidante ETS 30

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^3.
Dry solids content: 30%.
Storage: 12 months.
Application: brush, roller or spray pack or injection with hand or electronic pump.
Consumption: 0.1-1.0 kg/m^2 (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/m^2 (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 MAPECURE SRA (one 0.25 kg 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 M 15.
Storage: 12 months.
Application: by pouring or pumping.
Consumption: 1.83 kg/dm^3 (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 l 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/dm^3 (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 l 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/dm^3 (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^2.
Resistance to sulphates: high.
Saline efflorescence: absent.
Application: injection or pouring.
Consumption: approx. 1.50 kg/dm^3 (of cavities to be filled).
Packaging: 20 kg bags.

MapeWall Inject & Consolidate

Reactive natural hydraulic lime-based inorganic binder with very low emission of VOC used to make super-fluid 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/dm^3 (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 kg metal can with spout.

Mapestop Kit Diffusion

Complete kit to create a slow-diffusion chemical barrier against capillary rising damp.

TECHNICAL DATA:
Packaging: cardboard box containing 8 off 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 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: ≤ 10 µ.
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/m^2 (per cm of thickness).
Packaging: 25 kg bags.

Mape-Antique LC

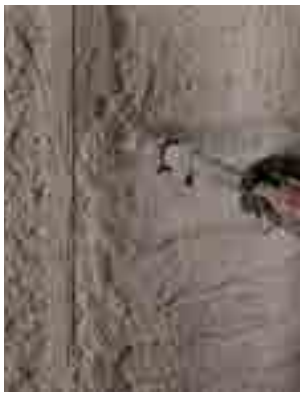
Salt-resistant, lime and ***ECO-POZZOLAN*** hydraulic binder mixed with aggregates in various grain sizes to make de-humidifying render and masonry mortar.

TECHNICAL DATA:
Mixing ratio:
– 0.5-2.5 mm sand: 500 kg/m³ of MAPE-ANTIQUE LC with 1,000 kg/m³ of sand and 225 l/m³ 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 l of water for each 25 kg bag of product).
Porosity of the mix while still fresh: > 20%.
Coefficient of permeability to water vapour: ≤ 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, category CS II.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months.
Colour: white.
Application: gauging trowel.
Consumption: 15 kg/m² (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: ≤ 10 μ.
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 CS II.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months.
Colours: white.
Application: continuous-mixing rendering machine.
Consumption: 16 kg/m² (per cm of thickness).
Packaging: 25 kg bags.

Mape-Antique Rinzaffo

Salt-resistant, transpirant lime and ***ECO-POZZOLAN*** scratch-coat mortar applied as a base layer for de-humidifying, transpirant 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 l of water for each 20 kg bag of product).
Porosity of the mix while still fresh: 6%.
Coefficient of permeability to water vapour: ≤ 30 μ.
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 Intonaco

Salt-resistant, hydraulic pozzolanic-reaction binder-based macro-porous, transpirant rendering mortar applied by hand for renovating masonry with rising damp.

TECHNICAL DATA:
Maximum size of aggregate: 1 mm.
Mixing ratio: 100 parts of POROMAP INTONACO with 20-22 parts of water (4-4.5 litres of water per 25 kg bag of product).
Porosity of wet mortar: > 25%.
Water vapour permeability coefficient: ≤ 10 μ.
Workability time of fresh mortar: approx. 60 mins.
Minimum applicable thickness: 20 mm.
Maximum applicable thickness per layer: 30 mm.
Classification: EN 998-1 - R type mortar, category CS II.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months.
Application: trowel.
Consumption: 10-11.5 kg/m² (per cm of thickness).
Packaging: 20 kg bags.

PoroMap Intonaco Macchina

Salt-resistant, hydraulic pozzolanic-reaction binder-based macro-porous rendering mortar applied with a mortar pump for renovating masonry with rising damp.

TECHNICAL DATA:
Maximum size of aggregate: 1 mm.
Mixing ratio: 100 parts of POROMAP INTONACO MACCHINA with approx. 21.5-23.5 parts of water (4.25-4.75 litres of water per 25 kg bag of product).
Porosity of wet mortar: > 20%.
Water vapour permeability coefficient: ≤ 13 μ.
Workability time of fresh mortar: approx. 60 mins.
Minimum applicable thickness: 20 mm.
Maximum applicable thickness per layer: 30 mm.
Classification: EN 998-1 - R type mortar, category CS II.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months.
Application: continuous-mixing mortar pump.
Consumption: 11.5-13 kg/m² (per cm of thickness).
Packaging: 20 kg bags.

PoroMap Rinzaffo

Salt-resistant, hydraulic pozzolanic-reaction binder-based transpirant keying mortar used as the first layer in de-humidifying render systems.

TECHNICAL DATA:
Maximum size of aggregate: 2.5 mm.
Mixing ratio: 100 parts of POROMAP RINZAFFO with 15.5-17 parts of water (4-4.5 litres of water per 25 kg bag of product).
Porosity of wet mortar: 6%.
Water vapour permeability coefficient: < 20 μ.
Workability time of fresh mortar: approx. 60 mins.
Maximum applicable thickness: 5 mm.
Classification: EN 998-1 - GP type mortar, category CS IV.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months.
Application: trowel.
Consumption: 7.5-8 kg/m² (for a 5 mm thick layer).
Packaging: 25 kg bags.

PoroMap Rinzaffo Macchina

Salt-resistant, hydraulic pozzolanic-reaction binder-based transpirant keying mortar applied with a mortar pump as the first layer in de-humidifying render systems.

TECHNICAL DATA:
Maximum size of aggregate: 2.5 mm.
Mixing ratio: 100 parts of POROMAP RINZAFFO MACCHINA with 19-21 parts of water (4.75-5.25 litres of water per 25 kg bag of product).
Porosity of wet mortar: 6%.
Water vapour permeability coefficient: < 20 μ.
Workability time of fresh mortar: approx. 60 mins.
Maximum applicable thickness: 5 mm.
Classification: EN 998-1 - GP type mortar, category CS IV.
EMICODE: EC1 R Plus - very low emission.
Storage: 12 months.
Application: continuous-mix mortar pump.
Consumption: 7.5-8 kg/m² (for a 5 mm thick layer).
Packaging: 25 kg bags.

13.6 Lime based transpirant renders

Mape-Antique Intonaco NHL

Transpirant 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.

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 l of water for each 25 kg bag of product).
Porosity of the mortar while still fresh: 20%.
Coefficient of permeability to water vapour: ≤ 12 μ.
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/m² (per cm of thickness).
Packaging: 25 kg bags.

13.7 Structural "reinforced" renders

Mape-Antique Strutturale NHL

High-performance transpirant 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 l 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/m² (per cm of thickness).
Packaging: 25 kg bags.

MapeWall Render & Strengthen

High strength natural hydraulic lime-based transpirant 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 transpirant and structural mortars

Mape-Antique FC Civile

Salt-resistant, fine-grained lime and ***ECO-POZZOLAN*** transpirant 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 l 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 thickness).
Packaging: 25 kg bags.

Mape-Antique FC Grosso

Salt-resistant, large-grained lime and ***ECO-POZZOLAN*** transpirant skimming mortar for a rough finish on render.

TECHNICAL DATA:
Maximum size of aggregate: 600 µm.
Mixing ratio: 100 parts of MAPE-ANTIQUE FC GROSSO with 18-20 parts of water (4.5-5 l 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.

Mape-Antique FC Ultrafine

Salt-resistant, ultra fine-grained lime and ***ECO-POZZOLAN*** transpirant skimming mortar for a smooth finish on render.

TECHNICAL DATA:
Maximum size of aggregate: < 100 µm.
Mixing ratio: 100 parts of MAPE-ANTIQUE FC ULTRAFINE with 30-32 parts of water (6-6.4 l 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.
Workability time of mortar: approx. 60 min.
Maximum applicable thickness per layer: 2 mm.
Classification: EN 998-1 - type GP mortar, category CS IV.
Storage: 12 months.
Application: smooth metal trowel.
Consumption: 1.4 kg/m² (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 l 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/m² (per cm of thickness).
Packaging: 25 kg bags.

Mape-Antique Strutturale NHL

High-performance transpirant 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 l 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^2 (per cm of thickness).
Packaging: 25 kg bags.

MapeWall Muratura Fine

High strength, transpirant, natural hydraulic lime-based masonry mortar with very low emission level of VOC for general building work, reinforced masonry and patching and plumbing walls.

TECHNICAL DATA:
Maximum size of aggregate (EN 1015-1) (mm): 1.5 mm.
Mixing ratio: 100 parts of MAPEWALL MURATURA FINE with 16-18 parts of water (4.0-4.5 litres of water per 25 kg bag).
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^3 (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^3 (of cavities to be filled).
Packaging: 25 kg bags.

13.10 Waterproofing and protecting construction features

Mape-Antique Ecolastic NEW

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.
Consumption:
– by roller: 1.65 kg/m^2 per mm of thickness;
– by spray: 2.2 kg/m^2 per mm of thickness.
Packaging: 15 kg kit:
– component A: 10 kg bags;
– component B: 5 kg tanks.

RESTORATION OF 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/dm^3 (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/dm^3 (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^2.
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.
Pot life of mix: approximately 2-3 hours.
Minimum applicable thickness: 1 mm.
Maximum applicable thickness: 1.5 cm per layer.
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: 5-7 kg/m^2;
– as skimming layer for flat block walls: 1.4 kg/m^2 per mm of thickness.
Packaging: 25 kg bags.

Porocol FF

One-component, fine-grained, white cementitious mortar for laying cellular-concrete blocks and for smoothing over the surface in layers of up to 10 mm thick.
Fire resistance class according to EN 1364-1 EI 240 - E 120.

TECHNICAL DATA:
Maximum diameter of aggregate: 1 mm.
Mixing ratio: 100 parts of POROCOL FF with 27-29 parts of water.
Pot life of mix: approximately 2-3 hours.
Minimum applicable thickness: 1 mm.
Maximum applicable thickness: 1 cm per layer.
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^2;
– as skimming layer for flat block walls: 1.2 kg/m^2 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.

CE EN 1504-7

EN 1504-7

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.

CE EN 1504-7

EN 1504-7

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.

TECHNICAL DATA:
Thickness of plate: 0.25 mm.
Height: 25 cm.
Weight: 3.15 kg/m^2 ± 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**
External surface:	100 x 50 mm ± 10%	100 x 50 mm ± 10%
Height:	12 mm ± 10%	15 mm ± 10%
Weight:	230 g ± 10%	320 g ± 10%
Storage:	12 months.	
Application:	directly on steel reinforcement.	
Consumption:	according to the density of steel reinforcement.	
Packaging:	boxes of 24 pieces.	
Mapeshield I 30	**30/10**	**30/20**
External surface:	300 x 50 mm ± 5%	300 x 50 mm ± 5%
Height:	10 mm ± 10%	12 mm ± 10%
Weight:	450 g ± 10%	570 g ± 10%
Storage:	12 months.	
Application:	directly on steel reinforcement.	
Consumption:	according to the density of steel reinforcement.	
Packaging:	boxes of 12 pieces.	

16.2 Repairs to concrete with compensated-shrinkage mortar and binders

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^3.
Packaging: 20 kg tanks.

Mapefill MF 610 NEW

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/m^2 per cm of thickness.
Packaging: 25 kg vacuum-packed polyethylene bags and 1,000 kg big-bags.

Mapegrout Betontech HPC NEW

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/m^2 per cm of thickness.
Packaging: 25 kg vacuum-packed polyethylene bags and 1,000 kg big-bags.

Mapegrout Betontech HPC10 NEW

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/m^2 per cm of thickness.
Packaging: 25 kg vacuum-packed polyethylene bags and 1,000 kg big-bags.

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.
Classification: EN 1504-3 - class R3 structural mortar.
Storage: 12 months.
Application: trowel or gauging trowel.
Consumption: 18 kg/m^2 per cm of thickness.
Packaging: 25 kg vacuum-packed polyethylene bags.

Mapegrout FMR-PP NEW

Shrinkage-compensated, sulphate-resistant thixotropic mortar with work-hardening 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^2 per cm of thickness.
Packaging: 25 kg vacuum-packed polyethylene bags.

Mapegrout GF Betoncino B1 NEW

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/m^2 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/m^2 per cm of thickness.
Packaging: 25 kg vacuum-packed polyethylene bags.

Mapegrout Hi-Flow B2 NEW

Shrinkage-compensated, free-flowing, fibre-reinforced cementitious mortar for repairs to concrete structures.

TECHNICAL DATA:
Maximum size of aggregate: ≤ 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.

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 thickness.
Packaging: 25 kg vacuum-packed polyethylene bags.

Mapegrout LM2K

Two-component, thixotropic, fibre-reinforced, 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.

TECHNICAL DATA:
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:
30.25 kg kits:
– 25 kg vacuum-packed polyethylene bags (comp. A);
– 5.25 kg tanks (comp. B).

Mapegrout SV ME

Fast-setting and hardening, compensated-shrinkage easy-flow mortar for repairing concrete and for fixing inspection shafts, manholes and highway coating materials.

TECHNICAL DATA:
Maximum dimension of aggregate: 2.5 mm.
Mixing ratio: 100 parts of MAPEGROUT SV ME with 12-13 parts of water (3.12-3.25 l of water for every 25 kg bag).
Pot life of mix: 40 minutes (at +23°C).
Minimum applicable thickness: 3 cm.
Maximum applicable thickness: 5 cm per layer.
Classification: EN 1504-3 - class R4 structural mortar.
Storage: 12 months in a dry place in original unopened packaging.
Colour: grey.
Application: pouring into formwork.
Consumption: 20 kg/m^2 per cm of thickness.
Packaging: 25 kg bags.

Mapegrout SV Fiber

Hi-flow, compensated-shrinkage, quick—setting and hardening, high-ductility 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/m^2 per cm of thickness.
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/m^2 per cm of thickness.
Packaging: 25 kg vacuum-packed polyethylene bags.

Mapegrout T60 ME

Thixotropic, sulphate and chloride resistant, fibre-reinforced structural repair mortar.

TECHNICAL DATA:
Maximum dimension of aggregate: 2.5 mm.
Mixing ratio: 100 parts of MAPEGROUT T60 ME with 15 parts of water (approx. 3.75-4.25 litres per 25 kg bag) and 0.25% of MAPECURE SRA (one 0.25 kg bottle for 4 bags of MAPEGROUT T60 ME).
Pot life of mix: approximately 1 hour.
Minimum applicable thickness: 10 mm.
Maximum applicable thickness: 60 mm per layer on vertical surfaces and 30 mm per layer on overhead applications.
Classification: EN 1504-3 - class R4 structural mortar.
Storage: 12 months in a dry place in original unopened packaging.
Application: gauging trowel, trowel or rendering machine.
Consumption: 12.6 kg/m^2 per cm of thickness.
Packaging: 25 kg bags.

Mapegrout T80

Single component sulphate and chloride resistant, fibre-reinforced thixotropic mortar for the repair of concrete.

TECHNICAL DATA:
Maximum dimension of aggregate: 2.5 mm.
Mixing ratio: 100 parts of MAPEGROUT T80 with 15-17 parts of water (approx. 3.75-4.25 litres per 25 kg bag) and 0.25% of MAPECURE SRA (one 0.25 kg bottle for 4 bags of MAPEGROUT T80).
Pot life of mix: approximately 1 hour.
Minimum applicable thickness: 10 mm.
Maximum applicable thickness: 60 mm per layer on vertical surfaces and 30 mm per layer on overhead applications.
Classification: EN 1504-3 - class R4 structural mortar.
Storage: 12 months in a dry place in original unopened packaging.
Application: trowel or spray with piston or worm-screw type rendering machine.
Yield: 13 litres/25 kg.
Packaging: 25 kg bags.

Mapegrout ME 05

High performance, shrinkage compensated, high-flow micro-concrete and thick section grout.

TECHNICAL DATA:
Maximum dimension of aggregate: 4 mm.
Mixing ratio: 3.1-3.3 litres of water per 25 kg bag.
Pot life of mix: approx. 1 hour (at +23°C and 50% RH)
Maximum applicable thickness: up to 220 mm.
Classification: In compliance to the principles of EN 1504-3 - class R4 structural mortar.
Storage: 12 months in a dry place in original unopened packaging.
Application: pour or pump into formwork.
Yield: 12.7 litres/25 kg.
Packaging: 25 kg bags.

Mapegrout ME 06

High strength, shrinkage compensated, super-flow micro-concrete.

TECHNICAL DATA:
Maximum dimension of aggregate: 4 mm.
Mixing ratio: 3.2-3.4 litres of water per 25 kg bag.
Pot life of mix: approx. 1 hour (at +23°C and 50% RH)
Minimum applicable thickness: 30 mm.
Maximum applicable thickness: 250 mm.
Classification: In compliance to the principles of EN 1504-3 - class R4 structural mortar.
Storage: 12 months in a dry place in original unopened packaging.
Application: pouring into formwork.
Yield: 12.3 litres/25 kg.
Packaging: 25 kg bags.

Mapegrout Thixotropic

Shrinkage-compensated, fibre-reinforced mortar for concrete repair.

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: 3-3.5 cm per layer.
Classification: EN 1504-3 - class R4 structural mortar.
Storage: 12 months in original packaging.
Application: gauging trowel, trowel or rendering machine.
Consumption: 19 kg/m^2 per cm of thickness.
Packaging: 25 kg 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 ME

Shrinkage controlled thixotropic mortar for levelling and restoration of concrete, by applying a single layer of mortar at a variable thickness between 2 and 30 mm.

TECHNICAL DATA:
Maximum dimension of aggregate: 0.5 mm.
Mixing ratio: 100 parts of PLANITOP 400 ME with 15-16 parts of water (3.75-4 litres per 25 kg bag).
Pot life of mix: approximately 1 hour.
Minimum applicable thickness: 2 mm.
Maximum applicable thickness: 30 mm per layer.
Classification: EN 1504-3 - class R3 structural mortar.
Storage: 12 months in a dry place in original unopened packaging.
Application: trowel.
Consumption: 18 kg/m² per cm of thickness.
Packaging: 25 kg bags.

Planitop Smooth & Repair

R2-class, rapid-setting shrinkage-compensated, thixotropic, fibre-reinforced, 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.
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^3;
– concrete: 400 kg/m^3.
Packaging: 20 kg vacuum-packed polyethylene bags.

SMOOTHING AND PROTECTIVE PRODUCTS FOR CONCRETE AND RENDER SURFACES

Mapefinish

Two-component cementitious mortar for finishing concrete.

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 1504-3 - class R2 non-structural mortar.
– EN 1504-2 - coating (C) principles MC and IR.
Storage: 12 months (comp. A); 24 months (comp. B).
Application: trowel.
Consumption: 2 kg/m² 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/m² per mm of thickness (by trowel).
– approximately 2.2 kg/m² 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/m² 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.

TECHNICAL DATA:
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.
Consumption: 1.3 kg/m² per mm of thickness.
Packaging: 25 kg bags.

Planitop 110

Single-component, normal setting cementitious mortar for smoothing concrete surfaces.

TECHNICAL DATA:
Maximum dimension of aggregate: 0.1 mm.
Mixing ratio: 100 parts of PLANITOP 110 with 30 parts of water (approx. 6 litres of water per 20 kg bag).
Pot life of mix: approx. 1 hour.
Applicable thickness: 1-2 mm per layer.
Classification: In compliance to the principles of EN 1504-3: R2.
Storage: 12 months in a dry place in original unopened packaging.
Colour: grey.
Application: flat trowel, wet sponge float.
Consumption: 1.3 kg/m² per mm of thickness.
Packaging: 20 kg bags.

Planitop 110 ME

Single-component, normal setting cementitious mortar for smoothing concrete surfaces.

TECHNICAL DATA:
Maximum dimension of aggregate: 0.1 mm.
Mixing ratio: 100 parts of PLANITOP 110 ME with 31-32 parts of water (approx. 6.2-6.4 litres of water per 20 kg bag).
Pot life of mix: approx. 1 hour.
Applicable thickness: 1-2 mm per layer.
Classification: In compliance to the principles of EN 1504-3: R2.
Storage: 12 months in a dry place in original unopened packaging.
Colour: grey.
Application: flat trowel, wet sponge float.
Consumption: 1.3 kg/m² per mm of thickness.
Packaging: 20 kg bags.

Planitop 200

Water-repellent cementitious skimming mortar with a fine-textured, natural finish for concrete and plastic, glass and porcelain coverings.

TECHNICAL DATA:
Maximum dimension of aggregate: 0.4 mm.
Mixing ratio: 100 parts of PLANITOP 200 with 20-23 parts of water.
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:
– 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 1.3 kg/m² 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 between).
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^2 per mm of thickness.
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/m^2 per mm of thickness.
Packaging: 25 kg bags.

Planitop 217

Water-repellent cementitious skimming mortar with a coarse-textured, natural finish for concrete and plastic coatings.

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^2 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^2 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 CS III.
Storage: 12 months.
Colours: grey and white.
Application: trowel.
Consumption: approximately 1.3 kg/m² 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/m² per mm of thickness.
Packaging: 25 kg bags.

Planitop 540

Water-repellent cementitious 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 540 with 24-26 parts of water.
Pot life of mix: approximately 2 hours (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: approximately 1.2 kg/m² per mm of thickness.
Packaging: 25 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.
Pot life of mix: approximately 2 hours (at +20°C).
Minimum applicable thickness: 1 mm.
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.

Planitop 580

Lime-gypsum skimming mortar for internal render.

TECHNICAL DATA:
Maximum dimension of aggregate: < 0.1 mm.
Mixing ratio: 100 parts of PLANITOP 580 with 60 parts of water.
Pot life of mix: approximately 50 minutes (at +23°C).
Minimum applicable thickness: 1 mm.
Maximum applicable thickness: 3 mm per layer.
Storage: 12 months.
Colour: white.
Application: trowel.
Consumption: 0.8 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.
Storage: 12 months.
Application: trowel.
Consumption: 14.5 kg/m² per cm of thickness.
Packaging: 25 kg vacuum-packed polyethylene bags.

Planitop Fine Finish NEW

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 spreader.
Consumption: approx. 1.2 kg/m² 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/m² 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 binder.

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/dm^3 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.

TECHNICAL DATA:
Maximum dimension of aggregate: 2.5 mm.
Mixing ratio: 100 parts of MAPEFILL with 14-15 parts of water.
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^3 of cavities to be filled.
Packaging: 25 kg vacuum-packed polyethylene bags.

Mapefill GP ME

General purpose non-shrink cementitious grout.

TECHNICAL DATA:
Maximum dimension of aggregate: 2 mm.
Mixing ratio:
- Flowable mix: 3.1-3.2 litres of water per 25 kg of MAPEFILL GP ME.
- Fluid mix: 4.4-4.6 litres of water per 25 kg of MAPEFILL GP ME.

Pot life of mix: 1 hour (at +20°C).
Maximum applicable thickness: 60 mm per layer.
Classification: In compliance to the principles of EN 1504-3: R4.
Storage: 12 months in a dry place in original unopened packaging .
Application: pouring.
Yield: 13-14 litres of grout.
Packaging: 25 kg bags.

Mapefill MF 610 NEW

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/m^2 per cm of thickness.
Packaging: 25 kg vacuum-packed polyethylene bags and 1,000 kg big-bags.

Mapefill SP ME

Premium super flow non-shrink cementitious grout.

TECHNICAL DATA:
Maximum dimension of aggregate: 2 mm.
Mixing ratio:
- Flowable mix: 4.0-4.2 litres of water per 25 kg of MAPEFILL SP ME.
- Fluid mix: 5.1-5.3 litres of water per 25 kg of MAPEFILL SP ME.

Pot life of mix: 1 hour (at +20°C).
Maximum applicable thickness: 60 mm per layer.
Classification: In compliance to the principles of EN 1504-3: R4.
Storage: 12 months in a dry place in original unopened packaging .
Application: pouring.
Yield: 13-14 litres of grout.
Packaging: 25 kg bags.

Mapefix EP 385/585

Pure epoxy, resin-based chemical anchor for structural loads. Certified for threaded bar, construction bars, core-drilled holes and C1 seismic loads.

Coredrill: core drilled hole — **M10 ÷ M24 Ø10 ÷ Ø25**

OP7: non cracked concrete — **M8 ÷ M30 Ø8 ÷ Ø32**

OP1: cracked and non cracked concrete — **M12 ÷ M30 Ø12 ÷ Ø32**

C1: Seismic performance — **M12 ÷ M30 Ø12 ÷ Ø32**

Rebar: post installed rebar — **Ø8 ÷ Ø25**

Fast Track Ready

F 120

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, 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; ETA core drill; fire resistance.
Application: extrusion gun.
Packaging: 385 ml and 585 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 SF

Styrene-free, polyester resin chemical fastener for heavy loads.

OP7: non cracked concrete — **M8 ÷ M24**

Fast Track Ready

TECHNICAL DATA:
Suitable substrates: all full or perforated substrates.
Recommended penetration technique: drill or hammer-drill.
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 + 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 Sleeve

Cylindrical plastic sleeve for applying chemical anchors in perforated 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 VE SF

Styrene-free, hybrid vinyl resin-based chemical anchor for structural loads. Certified for threaded bar, construction bars and C1 seismic loads.

OP7: non cracked concrete — **M8 ÷ M30**, **Ø8 ÷ Ø32**

OP1: cracked and non cracked concrete — **M12 ÷ M30**, **Ø12 ÷ Ø32**

C1: Seismic performance — **M12 ÷ M30**, **Ø12 ÷ Ø32**

Rebar: post installed rebar — **Ø8 ÷ Ø25**

Fast Track Ready

F 120

TECHNICAL DATA:
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: 30 mins.
Final hardening time at +20°C: 10 h (dry substrate), 20 h (wet 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 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.

Planibond BA 100 NEW

Two-component fluid epoxy resin for anchoring steel bars.

EN 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^3.
Packaging:
3 kg kit:
– 2.88 kg drum (comp. A);
– 0.12 kg canister (comp. B).

Planigrout 300 ME

Three-component, multi-purpose fluid epoxy resin grout.

TECHNICAL DATA:
Maximum dimension of aggregate: 5 mm.
Mixing ratio:
comp. A : comp. B : comp. C = 4.8 : 1.8 : 2x22.
Pot life of mix: 1 hour (at 23°C).
Classification: EN 1504-6.
Storage: 12 months in a dry place in original unopened packaging.
Application: pouring.
Consumption: 2.2 kg/m^2 per mm of thickness.
Packaging:
50.6 kg packages:
– 4.8 kg of comp. A;
– 1.8 kg of comp. B;
– 2 bags of 22 kg of comp. C.

Planigrout 310 NEW

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^2 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^2 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^2 per mm of thickness.
Packaging:
6 kg kits:
– 4.5 kg drums (comp. A);
– 1.5 kg drums (comp. B).

Adesilex PG2 TG

Two-component thixotropic epoxy adhesive for structural bonding.

TECHNICAL DATA:
Mixing ratio: comp. A : comp. B = 3 : 1.
Pot life of mix: 20 minutes (preconditioning +50°C).
Maximum applicable thickness: 1 cm per layer.
Storage: 24 months in original packaging in an environment at temperatures not below +10°C.
Application: flat trowel or float.
Consumption: 1.71 kg/m^2 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.

TECHNICAL DATA:
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/m² 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).

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 micro-cracks, also on wet surfaces.

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).

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.
Height:
– MAPESHIELD S 100: 10 cm;
– MAPESHIELD S 200: 20 cm;
– MAPESHIELD S 300: 30 cm.
Weight: 0.70 kg/m^2 ± 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.

COMPOSITE SYSTEMS FOR STRUCTURAL STRENGTHENING

21. COMPOSITE SYSTEMS FOR STRUCTURAL STRENGTHENING

21.1 Strengthening concrete and steel structures

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^2 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^2 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^2 per mm of thickness.
Packaging:
6 kg kits:
– 4.5 kg drums (comp. A);
– 1.5 kg drums (comp. B).

Adesilex PG2 TG

Two-component thixotropic epoxy adhesive for structural bonding.

TECHNICAL DATA:
Mixing ratio: comp. A : comp. B = 3 : 1.
Pot life of mix: 20 minutes (preconditioning +50°C).
Maximum applicable thickness: 1 cm per layer.
Storage: 24 months in original packaging in an environment at temperatures not below +10°C.
Application: flat trowel or float.
Consumption: 1.71 kg/m^2 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.

TECHNICAL DATA:
Modulus of elasticity: 170 - 200 - 250 GPa.
Fibre content: 68% - 68% - 65%.
Thickness: 1.4 mm.
Width: 50, 100 and 150 mm.
Resistant section: 70, 140 and 210 mm^2.
Tensile strength (MPa): 3,100 - 3,300 - 2,500.
Elongation at failure: 2% - 1.4% - 0.9%.
Packaging: 25 m rolls.

Carbotube

Pultruded carbon fibre tube impregnated with epoxy resin for reinforced stitching in masonry.

TECHNICAL DATA:
Tensile modulus of elasticity: 170,000 N/mm^2.
Content of fibre by weight: 68%.
Tensile strength: 3,100 N/mm^2.
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.

EN 1504-5

EN 1504-6

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/m^2 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

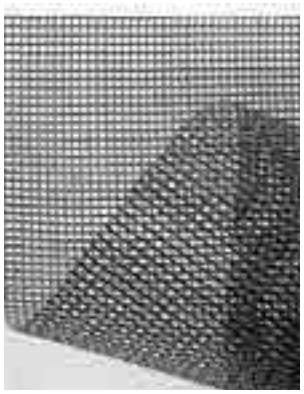
Plastic injectors with a non-return valve for injecting epoxy resin.

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^2.
Mesh size: 6 x 6 mm.
Tensile strength: 60 kN/m.
Elongation at failure: 1.8%.
Packaging: 1 m x 50 m rolls.



Mapegrid B 300 NEW

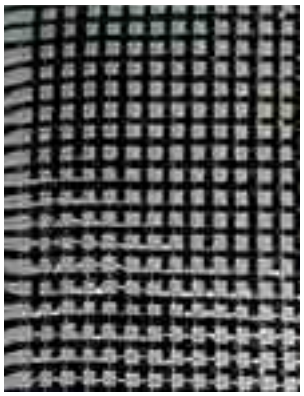
Pre-primed alkali-resistant basalt fibre mesh for structural “reinforced” strengthening of concrete and masonry structures.

TECHNICAL DATA:
Type of fibre: basalt fibre.
Weight: 300 g/m^2.
Mesh size: 8x8 mm.
Tensile strength: 80 KN/m.
Elongation at failure: 1.8%.
Packaging: 1 m x 50 m rolls.

Mapegrid B 400 NEW

Pre-primed alkali-resistant basalt fibre mesh for structural “reinforced” strengthening of concrete and masonry structures.

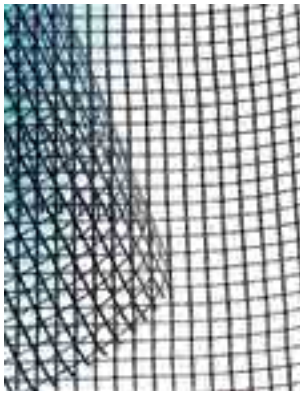
TECHNICAL DATA:
Type of fibre: basalt fibre.
Weight: 400 g/m^2.
Mesh size: 7x7 mm.
Tensile strength: ≥ 3100 MPa.
Elongation at failure: ≥ 3.5 MPa.
Packaging: 1 m x 50 m rolls.



Mapegrid C 170

High-strength carbon fibre mesh for “reinforced” structural strengthening work on masonry and concrete structures.

TECHNICAL DATA:
Type of fibre: high-strength carbon.
Weight: ≥170 g/m^2.
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.

TECHNICAL DATA:
Type of fibre: A.R. type glass fibre
Weight: 125 g/m^2.
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/m^2.
Mesh size: 25 x 25 mm.
Tensile strength: 45 kN/m.
Elongation at failure: < 3%.
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.

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).

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^2.
Mesh size: 30 x 30 mm.
Section of single bar: 2.37 mm^2.
Bars/metre: 33.
Tensile strength of single bar: 3.20 kN.
Tensile modulus of elasticity: 33,000 N/mm^2.
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^2.
Mesh size: 40 x 40 mm.
Section of single bar: 1.518 mm^2.
Bars/metre: 25.
Tensile strength of single bar: 2.25 kN.
Tensile modulus of elasticity: 33,000 N/mm^2.
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^2.
Packaging: boxes of 100 pcs.

Maperod C

High tensile pultruded carbon fibre rebars impregnated with epoxy resin for structural strengthening of damaged concrete, wooden and masonry elements.

TECHNICAL DATA:
Modulus of elasticity: 155,000 N/mm^2.
Fibre content: 71%.
Transversal section: 73.9 mm^2.
Tensile strength: 2,000 N/mm^2 .
Single shear strength: 75 N/mm^2 .
Nominal diameter: 9.7 mm.
Packaging: boxes of 10x2 m rolls.

Maperod G

Pultruded glass fibre rebar pre-impregnated 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^2.
Fibre content: 75%.
Transversal section: 71.26 mm^2.
Tensile strength: 760 N/mm^2.
Nominal diameter: 9.53 mm.
Shear strength: 152 N/mm^2.
Packaging: boxes of 10x6 m rolls.

MapeWrap 11

Two-component, normal-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: 35 minutes (at +23°C).
Bond strength to concrete: > 3 N/mm^2 (after 7 days at +23°C - failure of substrate).
Classification: EN 1504-4.
Application: trowel.
Consumption: 1.55 kg/m^2 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^2 (after 7 days at +23°C - failure of substrate).
Classification: EN 1504-4.
Application: trowel.
Consumption: 1.55 kg/m^2 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).

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/mm² (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 B FIOCCO

Unidirectional high strength basalt 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 basalt.
Diameters available: 10, 12 mm.
Equivalent surface of dry fabric:
– diam. 10 mm 24.27 mm²;
– diam. 12 mm 28.76 mm².
Modulus of elasticity: 87,000 N/mm².
Tensile strength: 3,101 N/mm².
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/m².
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

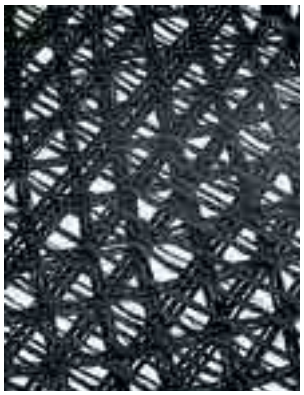
Balanced, high-strength, bi-directional carbon fibre fabric.

TECHNICAL DATA:
Weight: 230-360 g/m^2.
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 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^2;
diam. 8 mm 21.24 mm^2;
diam.10 mm 26.79 mm^2;
diam.12 mm 31.40 mm^2;
Modulus of elasticity: 230,000 N/mm^2.
Tensile strength: 4,830 N/mm^2.
Elongation at failure: 1.8%.
Packaging: 10 m rolls.



MapeWrap C QUADRI-AX

Balanced, high-strength, quadri-directional carbon fibre fabric.

TECHNICAL DATA:
Weight: 380-760 g/m^2.
Equivalent thickness of dry fabric: 0.053-0.106 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

ICC ES

High-strength, unidirectional carbon fibre fabric with a high modulus of elasticity.

TECHNICAL DATA:
Weight: 300-600 g/m^2.
Equivalent thickness of dry fabric: 0.164-0.331 mm.
Tensile strength: ≥ 4,900 N/mm^2.
Tensile modulus of elasticity: 252,000 ± 2% N/mm^2.
Elongation at failure: ≥ 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.

TECHNICAL DATA:
Weight: 300-600 g/m².
Equivalent thickness of dry fabric: 0.164-0.329 mm.
Tensile strength: 4,410 N/mm².
Tensile modulus of elasticity: 390,000 N/mm².
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/m².
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/m².
Equivalent thickness of dry fabric: 0.057 mm².
Tensile strength: > 1620 N/mm².
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 mm²;
diam. 8 mm 21.45 mm²;
diam. 10 mm 27.58 mm²;
diam. 12 mm 32.69 mm².
Modulus of elasticity: 80,700 N/mm².
Tensile strength: 2,560 N/mm².
Elongation at failure: > 3%.
Packaging: 10 m rolls.

MapeWrap G QUADRI-AX

Balanced, quadri-directional glass fibre fabric.

TECHNICAL DATA:
Type of fibre: E type glass.
Weight: 1140 g/m^2.
Equivalent thickness of dry fabric: 0.1096 mm.
Tensile strength: 2,600 MPa.
Tensile modulus of elasticity: 73 GPa.
Width: 30-48.5 cm.
Elongation at failure: 3.5-4%.
Packaging: 50 m rolls.

MapeWrap G UNI-AX

Unidirectional, high strength glass fibre fabric.

TECHNICAL DATA:
Type of fibre: E type glass.
Weight: 300-900 g/m^2.
Equivalent thickness of dry fabric: 0.16-0.48 mm.
Tensile strength: 2,560 N/mm^2.
Tensile modulus of elasticity: 80.7 GPa.
Elongation at failure: 3-4%.
Width: 30-60 cm.
Packaging: 50 m rolls.

MapeWrap Primer 1

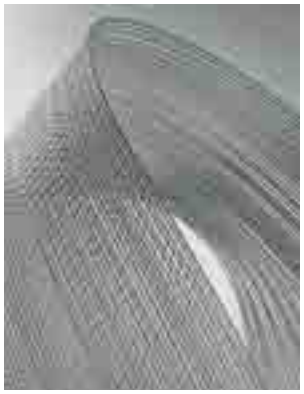
Two-component epoxy primer specifically formulated for the MAPEWRAP system.

TECHNICAL DATA:
Mixing ratio: comp. A : comp. B = 3 : 1.
Workability time: 90 minutes (at +23°C).
Bond strength to concrete: > 3 N/mm^2 (after 7 days at +23°C - failure of substrate).
Brookfield Viscosity: 300 mPa·s (rotor 1 - 10 revs).
Consumption: 250-300 g/m^2.
Packaging:
2 kg kits:
– 1.5 kg drums (comp. A);
– 0.5 kg drums (comp. B).

MapeWrap S NEW *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/m^2.
Load-resistant area per unit of width: 97.405 mm^2/m.
Tensile strength: > 2,580 N/mm^2.
Tensile modulus of elasticity: 200,000 N/mm^2.
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/m^2.
Load-resistant area per unit of width: 266 mm^2/m.
Tensile strength: > 2.580 N/mm^2.
Tensile modulus of elasticity: 200,000 N/mm^2.
Elongation at failure: > 1.29%.
Width: 30 cm.
Packaging: 25 m rolls.

MapeWrap S FIOCCO

High-strength, steel fibre cord for structural strengthening.

TECHNICAL DATA:
Type of fibre: high-strength carbon.
Diameters available: 10 and 12 mm.
Equivalent surface area of dry fabric:
diam.10 mm 33.6 m^2;
diam.12 mm 40.6 m^2.
Maximum load per unit of width:
diam.10 mm 8,969.8 kN/m;
diam.12 mm 10,847.2 kN/m.
Thickness:
diam.10 mm 4.30 mm;
diam.12 mm 5.20 mm.
Modulus of elasticity: 210,000 N/mm^2.
Tensile strength: 2,086 N/mm^2.
Elongation at failure: > 2%.
Packaging: 10 m rolls.

MapeWrap SG FIOCCO NEW

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^2.
Modulus of elasticity: > 200,000 N/mm^2.
Tensile strength: > 2,400 N/mm^2.
Elongation at failure: >1.6%.
Packaging: 10 m rolls.

Planitop HPC

Two-component ultra high performance shrinkage-compensated free-flowing 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/m² per cm of thickness.
Packaging: 25 kg vacuum-packed polyester bag.

Fibres HPC

Stiff steel fibres used in combination with PLANITOP HPC mortar.

TECHNICAL DATA:
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, 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 T NEW

One-component, very high performance, high ductility, fibre-reinforced, 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 NEW

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.
Pot life of mix: approx. 1 hour (at +20°C).
Minimum applicable thickness: 2 cm.
Maximum applicable thickness: 10 cm per layer.
Classification: EN 1504-3 class R4 structural mortar, EN 1504-6.
Application: pouring into formwork.
Consumption: approx. 22 kg/m² per cm of thickness.
Packaging: 25 kg vacuum-packed polyester bags.

21.2 Strengthening masonry structures

Planitop HDM

Two-component, high-ductility, pozzolan-reaction mortar applied in layers up to 6 mm thick for "reinforced" structural strengthening of masonry substrates in combination with the MAPEGRID meshes and for smoothing and levelling surfaces in concrete, stone, brickwork and tuff.

TECHNICAL DATA:
Maximum dimension of aggregate: 0.4 mm.
Mixing ratio: 3.7 parts of PLANITOP HDM comp. A with 1 part of PLANITOP HDM comp. B.
Pot life of mix: approximately 1 hour (at +20°C).
Thickness applied: 2-3 mm per layer.
Classification:
– EN 1504-2 - surface protection systems for concrete.
– EN 1504-3 - class R2 non-structural mortar.
Storage: 12 months (comp. A); 24 months (comp. B).
Application: gauging trowel, trowel or rendering machine.
Consumption: approximately 1.8 kg/m² per mm of thickness.
Packaging:
30 kg kits:
– 24 kg vacuum-packed polyethylene bags (comp. A);
– 6 kg drums (comp. B).

Planitop HDM Maxi

Two-component ready-mixed, high ductility pozzolan-reaction, fibre-reinforced 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.
Storage: 12 months (comp. A); 24 months (comp. B).
Application: gauging trowel, trowel or rendering machine.
Consumption: approximately 1.85 kg/m² 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 comp. B.
Pot life of mix: approximately 1 hour (at +20°C).
Thickness applied: from 3 to 10 mm per layer.
Classification: EN 998-1 - type GP mortar, category CS IV and EN 998-2 - type G mortar, class M15.
Storage: 12 months (comp. A); 24 months (comp. B).
Application: gauging trowel, trowel or rendering machine.
Consumption: approximately 1.9 kg/m² per mm of thickness.
Packaging:
30 kg kits:
– 25 kg bags (comp. A);
– 5 kg drums (comp. B).

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.

TECHNICAL DATA:
Consistency: powder.
Colour: grey.
Density of the mix (kg/m³): 1,450.
Application temperature range: from +5°C to +50°C.
Mixing ratio: 21-24 parts of water per 100 parts of MAPETHERM AR1 (by weight).
Cleaning: water.
Storage: 12 months.
Application: trowel.
Consumption (kg/m²):
– 4.0-6.0 kg/m² according to the bonding technique used;
– 1.3-1.5 kg/m² 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/m² 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 used;
– 1.20-1.40 kg/m² per mm of thickness when used for skimming (recommended: approx. 4 mm).
Packaging: 23 kg.

Mapetherm Ba

Aluminium starting profiles with drip channel, available in sizes 40, 50, 60, 80 and 100 mm.

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^2 (according to the thickness).

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 mm: 40, 50, 60, 80 and 100.
Dimensions of panel mm: 1000 x 500.
Packaging: from 3 to 7.5 m^2 (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.
Storage: 24 months.
Consumption:
– 0.5 mm: 1.9-2.1 kg/m²;
– 1.5 mm: 4.0-5.0 kg/m².
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 mm: 40, 50, 60, 80 and 100.
Dimensions of panel mm: 1200 x 600.
Packaging: from 2.88 to 7.2 m^2 (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/m^2): 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 alkali-resistant 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 alkali-resistant 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 mm: 40, 50, 60, 80 and 100.
Dimensions of panel mm: 1200 x 600.
Packaging: from 2.88 to 6.48 m^2 (according to the thickness).

WALL PROTECTIVE AND DECORATIVE COATINGS

Antipluviol

High-performance, silicone water-repellent in watery solution for external walls.

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/m² (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/m² (according to the porosity of the substrate).
Packaging: 5 and 10 kg.

Antipluviol W

Transparent, silane and siloxane water-repellent impregnator in watery solution.

TECHNICAL DATA:
Consistency: fluid liquid.
Colour: milky.
Density (EN ISO 2811-1) (g/cm³): 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/m² (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 system.
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/m² (for two coats).
Packaging: 20 kg.

Colorite Matt

Highly-transpirant water-based paint for internal use with excellent hiding power.

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.

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.

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/m² for approx. 250 µm thickness.
(for one coat of the product).
Packaging: 10 kg kits (A + B).

Dursilite

Washable water-based paint with low dirt pick-up and excellent workability for internal walls.

TECHNICAL DATA:
Consistency: thick liquid.
Colour: white or various colours using the **ColorMap®** automatic colouring system.
Density (EN ISO 2811-1) (g/cm³): approx. 1.50.
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/m² (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 NEW

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/m² (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/m² (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: 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 per coat.
Packaging: 20 kg.

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/m².
Packaging: 10 kg.

Elastocolor Rasante

Fibre-reinforced, elastomeric, high flexibility finishing product with good defect covering capacity, for internal and external applications.

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/m² 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.

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: 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/m².
Packaging: 20 kg.

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/m² (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.

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: 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/m².
Packaging: 2 and 10 kg.

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/cm³): 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/m² (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.

TECHNICAL DATA:
Consistency: component A fluid paste, component B thick paste.
Colour: component A transparent, component B white or grey.
Density (EN ISO 2811-1) (g/cm³): 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.

ETA 10/0024
ETA 10/0025

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/m² per coat.
Packaging: 20 kg.

Quarzolite Graffiato

Highly protective acrylic scratch-effect coating product for evening out surface defects on internal and external surfaces.
Available in the following granulometries: 1.2 mm and 1.8 mm.

ETA 10/0024
ETA 10/0025

TECHNICAL DATA:
Consistency: paste.
Colour: white or various colours using the **ColorMap®** automatic colouring system.
Density (EN ISO 2811-1) (g/cm³): approx. 1.7-1.8 (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/m²;
– 1.8 mm: 2.4-2.8 kg/m².
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®** automatic colouring system.
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).
Packaging: 20 kg.

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/m² 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 surfaces.
Available in the following granulometries: 0.7 mm, 1.2 mm, 1.5 mm and 2.0 mm.

ETA 10/0024
ETA 10/0025

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/m².
Packaging: 20 kg.

Quarzolite Tonachino Plus

Highly protective, mould and mildew-resistant 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/m²;
– 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®** automatic colouring system.
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).
Packaging: 20 kg.

Silancolor AC Tonachino

Water-repellent, thick-layered acrylic-siloxane coating with high filling properties for internal and external surfaces.
Available in the following granulometries: 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 3251-1) (%): 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: 1.2 mm: 1.9-2.3 kg/m².
Packaging: 20 kg.

Silancolor Base Coat

Water-repellent, coloured acrylic undercoat with a smooth finish and good filling properties for internal and external surfaces.

ETA 10/0024
ETA 10/0025

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: 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/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: diluted up to 300% of water.
Waiting time before applying other products: 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 Graffiato

Transpirant, water-repellent, scratch-effect, trowelable siloxane coating product with good defect covering properties for internal and external surfaces.
Available in the following granulometries: 1.2 mm and 1.8 mm.

ETA 10/0024
ETA 10/0025

TECHNICAL DATA:
Consistency: paste.
Colour: white or various colours using the **ColorMap®** automatic colouring system.
Density (EN ISO 2811-1) (g/cm³): approx. 1.7-1.8 (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 SILEXCOLOR PRIMER).
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/m²;
– 1.8 mm: 2.4-2.8 kg/m².
Packaging: 20 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/m² for two coats.
Packaging: 5 and 20 kg.

Silancolor Paint Plus

Highly protective transpirant, water-repellent, mildew and mould-resistant, siloxane paint 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. 1.55.
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/m².
Packaging: 10 kg.

Silancolor Primer Plus

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/m².
Packaging: 2 and 10 kg.

Silancolor Tonachino

Transpirant, water-repellent, thick-layered 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.

ETA 10/0024
ETA 10/0025

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/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.

Silancolor Tonachino Plus

Highly protective transpirant, water-repellent, mildew and mould-resistant siloxane coating product for internal and external surfaces.
Available in the following granulometries: 0.7 mm and 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. 1.65-1.90 (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: 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.
Packaging: 20 kg.

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

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. 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/m² per coat.
Packaging: 20 kg.

Silexcolor Graffiato

Transpirant, scratch-effect silicate coating product with defect-covering properties for internal and external surfaces, according to DIN 18363 Standards.
Available in the following granulometries: 1.2 mm and 1.8 mm.

ETA 10/0024
ETA 10/0025

TECHNICAL DATA:
Consistency: paste.
Colour: white or various colours using the **ColorMap®** automatic colouring system.
Density (EN ISO 2811-1) (g/cm³): approx. 1.7-1.8 (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).
Waiting time between each coat: 24 hours.
Application temperature range: from +8°C to +35°C.
Cleaning: water.
Storage: 12 months.
Application: trowel.
Consumption:
– 1.2 mm: 1.9-2.3 kg/m²;
– 1.8 mm: 2.4-2.8 kg/m².
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/m² for two coats.
Packaging: 20 kg.

Silexcolor Primer

Highly transpirant silicate undercoat with a smooth finish, according to DIN 18363 Standards.

ETA 04/0061

TECHNICAL DATA:
Consistency: fluid liquid.
Colour: transparent.
Density (EN ISO 2811-1) (g/cm³): approx. 0.9.
Dry solids content (EN ISO 3251) (%): approx. 14.
Dilution rate: supplied ready to use.
Waiting time before applying other products: 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/m².
Packaging: 10 kg.

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:
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.

WallGard Graffiti Barrier

Anti-graffiti protective barrier.

TECHNICAL DATA:
Consistency: fluid liquid.
Colour: white.
Density (EN ISO 2811-1) (g/cm³): approx. 0.98.
Dry solids content (EN ISO 3251) (%): approx. 14.
Dilution rate: supplied ready to use.
Drying time: approx. 20 minutes.
Application temperature range: from +8°C to +35°C
Cleaning: water.
Storage: 12 months.
Application: roller, brush or spray.
Consumption: 0.03-0.15 kg/m².
Packaging: 5 and 20 kg.

WallGard Graffiti Remover Gel

Thixotropic detergent for cleaning surfaces damaged by graffiti.

TECHNICAL DATA:
Consistency: liquid gel.
Colour: straw yellow.
Density (EN ISO 2811-1) (g/cm³): approx. 0.85.
Application: brush.
Dilution rate: supplied ready to use.
Usage time: approx. 20 minutes.
Application temperature range: from +8°C to +35°C.
Consumption: 0.1-0.2 kg/m².
Cleaning: water.
Storage: 12 months.
Packaging: 5 kg.

WATERPROOFING SYSTEMS

24. WATERPROOFING SYSTEMS

24.1 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^2 every 100 kg of cement;
– IDROSILEX POWDER: 2-4 kg/m^2 every 100 kg of cement.
Packaging:
– IDROSILEX LIQUID: 6 and 25 kg drums; 12x1 kg boxes;
– IDROSILEX POWDER: boxes of 25x1 kg.

Lamposilex

Fast Track Ready

Ultra quick-setting and hardening hydraulic binder for blocking seeping water.

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^3 of cavities to be filled.
Packaging: 5 kg drums.

Mapelastic Foundation

EN 1504-2 (C) PRINCIPLES PI-MC-IR MAPEI

EN 14891 CM01P MAPEI

GEV-EMICODE EC1 PLUS very low emission

GREEN INNOVATION

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.
Storage: 12 months.
Application: roller or spray.
EMICODE: EC1 R Plus - very low emission.
Consumption:
– by roller: 1.65 kg/m^2 per mm of thickness;
– by spray: 2.2 kg/m^2 per mm of thickness.
Packaging:
32 kg kits:
– component A: 22 kg bags;
– component B: 10 kg tanks.

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^2.
Modulus of elasticity at 100% elongation (DIN 53504): 0.55 N/mm^2.
Tear strength (ISO 34-1): 10 N/mm.
Water-tightness: 1 atm.
Packaging: boxes containing 6 320 ml cartridges.

Planiseal 88
(former Idrosilex Pronto)

Osmotic cementitious mortar suitable for contact with drinking water, for waterproofing masonry and concrete structures.

TECHNICAL DATA:
Consistency: powder.
Pot life of mix: approximately 1 hour.
Classification: EN 1504-2.
Storage: 12 months in original packaging in a dry place.
Consumption: 1.5 kg/m^2 per mm of thickness.
Packaging: 25 kg bags.

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.

24.2 Waterproofing structures at and 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^3.
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/m^2 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^3.
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^2.
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 and RAL 6005.
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 face.
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.

Mapegum WPS

Quick-drying flexible liquid membrane for waterproofing internal surfaces.

TECHNICAL DATA:
Consistency: paste.
Density of the mix: 1.45 g/cm³.
pH: 9.
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/m² per mm of thickness.
Packaging: 5, 10 and 25 kg drums.

Mapelastic

Two-component, flexible cementitious coating for the protection and waterproofing of concrete surfaces, balconies, terraces, bathrooms, showers and swimming pools.

TECHNICAL DATA:
Consistency of mix: plastic-trowable.
Mixing ratio: comp. A: comp. B = 3 : 1.
Pot life of mix: 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.
Storage: 12 months comp. A, 24 months comp. B.
Application: trowel or by spray.
EMICODE: EC1 R Plus - very low emission.
Consumption:
– trowel: 1.7 kg/m² per mm of thickness;
– spray: 2.2 kg/m² per mm of thickness.
Packaging: 32 kg units:
Comp. A 24 kg bags + Comp. B 8 kg drums.

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, highly-flexible cementitious mortar (with crack-bridging capacity > 2 mm), to be applied by trowel or with a roller, for the waterproofing of balconies, basins, swimming pools and wet areas.

TECHNICAL DATA:
Consistency of mix: fluid-brushable.
Mixing ratio: comp. A: comp. B = 2 : 1.
Pot life of mix: 1 hour.
Application temperature range: from +8°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.
Storage: 12 months comp. A, 24 months comp. B.
Application: brush, roller or spray.
EMICODE: EC1 R Plus - very low emission.
Consumption:
– brush or roller: 1.6 kg/m² per mm of thickness;
– spray: dependent on site conditions and trials.
Packaging: 30 kg units:
Comp. A 20 kg bags + Comp. B 10 kg drums.

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 g/m² ± 5%.
Mesh size: 4x4.5 mm.
Storage: unlimited.
Packaging: 50 m x 1 m rolls.

Mapetex Sel

Macro-holed, non-woven polypropylene fabric for reinforcing waterproofing membranes.

TECHNICAL DATA:
Weight: 80 g/m².
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.

Planigrout 300 ME PCT

Three component, multi-purpose fluid epoxy resin grout for pile cap treatment (PCT).

TECHNICAL DATA:
Maximum dimension of aggregate: 5 mm.
Mixing ratio:
comp. A : comp. B : comp. C = 4.8 : 1.8 : 2x27.
Pot life of mix: 1 hour (at 23°C).
Storage: 12 months in a dry place in original unopened packaging.
Application: pouring.
Consumption: 2.2 kg/m^2 per mm of thickness.
Packaging:
60.6 kg packages:
- 4.8 kg of comp. A;
- 1.8 kg of comp. B
- 2 bags of 27 kg of comp. C.

Plastimul DPC NEW

Bitumen waterproofing emulsion for general purpose use.

TECHNICAL DATA:
Consistency: liquid which dried to a hard coating.
Density: 1.10 g/cm^3 at +25°C.
Dry solids content: approx. 40%.
Storage: 12 months in a dry place in original unopened packaging.
Application temperature range: from >+5°C.
Drying time: 6-8 hours per coat at +25°C.
Consumption: approx. 2-4 m^2/liter depending on the surface conditions.
Packaging: 20 and 200 liter drums.

Plastimul DPM NEW

Bitumen with rubber latex flexible waterproofing emulsion.

TECHNICAL DATA:
Consistency: liquid.
Density: 1.10 g/cm^3 at +25°C.
Dry solids content: approx. 60%.
Storage: 12 months in a dry place in original unopened packaging.
Application temperature range: from >+5°C.
Drying time: 6-8 hours per coat at +25°C.
Consumption: approx. 3-5 m^2/liter depending on the surface conditions.
Packaging: 20 and 200 liter drums.

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 pump.
Consumption: 2.2 kg/m^2 per 2 mm of thickness.
Packaging:
– component A: 210 kg drums;
– component B: 225 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 pump.
Consumption: 2.2 kg/m^2 per 2 mm of thickness.
Packaging:
– component A: 220 kg drums;
– component B: 225 kg drums.

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^2 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.

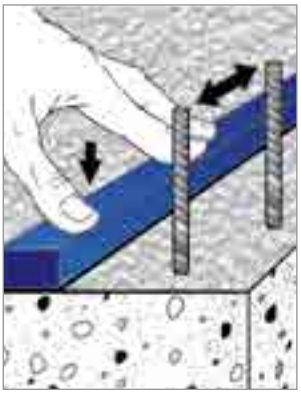
TECHNICAL DATA:
Consistency: liquid.
Classification: EN 1504-4.
Colours: black.
Application temperature range: from +5°C to +35°C.
Hardening time: 2-4 hours.
Packaging: 20 kg drums.

24.3 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^2 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 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.
Consumption: approximately 300 ml each 5 linear metres of IDROSTOP.
Packaging: boxes containing 12x300 ml cartridges.

Idrostop PVC BI/BE ME

Waterproofing construction and expansion joints in civil, industrial and water retaining or excluding structures.

TECHNICAL DATA:
Hardness (Shore A) - ISO 868, ASTM D2240: > 80.
Tensile strength (N/mm²) - ISO 527, ASTM D638: 14.
Breaking strain (%) - ISO 527, ASTM D638: min 300.
Packaging: 10, 12, 15 and 25 metre rolls wrapped in polyethylene. Dependent on type of profile.
Storage: Store in a dry area at temperature between +10°C and +60°C.
Available profiles:

Idrostop PVC BIC ME 25 (width 25 cm)
Idrostop PVC BIE ME 25 (width 25 cm)
Idrostop PVC BEC ME 25 (width 25 cm)
Idrostop PVC BEE ME 25 (width 25 cm)
Idrostop PVC BEC ME 32 (width 32 cm)
Idrostop PVC BEC ME 32T (width 32 cm)

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.
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 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).
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
Packaging:
– 120 mmx50 m rolls;
– 120 mmx10 m rolls;
– 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^3.
Temperature of application: from +5°C to +30°C.
Width: 100 mm.
Thickness: approx. 2 mm.
Packaging: 25 m rolls.

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).

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.

24.4 Mapeplan Synthetic Membranes

Mapeplan PVC Synthetic Membranes & Accessories

Substructure, infrastructure & tunnels, water tanks & reservoirs, roofing.

Mapeplan TPO Synthetic Membranes & Accessories

Roofing, water tanks & reservoirs.

ADMIXTURES FOR CONCRETE

Dynamon MR1000

Concrete superplasticiser based on modified acrylic polymer; developed specifically for ready mix concrete industries; where the highest levels of concrete quality and performance is required.

Also available as:
- Dynamon MR1000 Q

EN 934-2
T 11.1-11.2
ASTM C494
Type G

TECHNICAL DATA:
Dosage: 0.8 to 2.5 litres per 100 kg of total cementitious material.
Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Dynamon MR2100 NEW

Concrete superplasticiser based on modified acrylic polymer; developed specifically for ready mix concrete industries; where the highest levels of concrete quality and performance is required.

EN 934-2
T 11.1-11.2
ASTM C494
Type G

TECHNICAL DATA:
Dosage: 0.8 to 2.5 litres per 100 kg of total cementitious material.
Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Dynamon SR1000

Third generation superplasticiser based on modified acrylic polymer; developed specifically for ready mix concrete industries; requiring the highest concrete quality and performance.

Also available as:
- Dynamon SR1000 Q

EN 934-2
T 11.1-11.2
ASTM C494
Type G and F

TECHNICAL DATA:
Dosage:
- Normal concrete: 0.5 to 1.5 litres per 100 kg of total cementitious material;
- High performance concrete: 0.8 to 2.0 litres per 100 kg of total cementitious material.

Packaging: 200 litre jerry cans and 1000 litre mega drums; or supplied in bulk available on request.

Dynamon SR1200

Superplasticiser admixture based on polymer modified polycarboxylate ether for high performance concrete mixes with very low water/cement ratios, high compressive strengths and long slump retention in hot climates.

Also available as:
- Dynamon SR1200 AF
- Dynamon SR1200 Q
- Dynamon SR1200 S

EN 934-2
T 11.1-11.2
ASTM C494
Type G

TECHNICAL DATA:
Dosage:
- Typical dosage: 0.5 to 2 litres per 100 kg of total cementitious material;
- Other dosage rates may be considered subject to trials.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Dynamon SR2000

Third generation superplasticiser based on modified acrylic polymer, developed especially for ready mix concrete industries, requiring the highest concrete quality and performance.

EN 934-2
T 11
ASTM C494
Type G

TECHNICAL DATA:
Dosage:
- Normal concrete: 0.5 to 1.5 litres per 100 kg of total cementitious material;
- High performance concrete: 0.8 to 2.0 litres per 100 kg of total cementitious material.

Packaging: 200 litre jerry cans and 1000 litre mega drums; or supplied in bulk available on request.

Dynamon MR3000

Concrete superplasticiser based on modified acrylic polymer; developed specifically for ready mix concrete industries; where the highest levels of concrete quality and performance is required.

EN 934-2
T 11.1-11.2
ASTM C494
Type G

TECHNICAL DATA:
Dosage:
- Typical dosage: 0.8 to 2.5 litres per 100 kg of total cementitious material;
- Other dosage rates may be considered subject to trials.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Dynamon SR2400

Third generation superplasticiser based on modified acrylic polymer; developed specifically for ready mix concrete industries; requiring the highest concrete quality and performance.

EN 934-2
T 11.1-11.2
ASTM C494
Type G

TECHNICAL DATA:
Dosage:
- Normal concrete: 0.5 to 1.5 litres per 100 kg of total cementitious material;
- High performance concrete: 0.8 to 2.0 litres per 100 kg of total cementitious material.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Dynamon SR2900 NEW

Third generation superplasticiser based on modified acrylic polymer; developed specifically for ready mix concrete industries; requiring the highest concrete quality and performance.

EN 934-2
T 11.1-11.2
ASTM C494
Type G

TECHNICAL DATA:
Dosage:
- Normal concrete: 0.5 to 1.5 litres per 100 kg of total cementitious material;
- High performance concrete: 0.8 to 2.0 litres per 100 kg of total cementitious material.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Dynamon SR1300

Superplasticiser based on modified acrylic polymer; developed especially for high flow concrete with extended slump retention in hot climates. Especially suitable for use in concrete mixes containing silica fume and other pozzolanic materials.

EN 934-2
T 11.1-11.2
ASTM C494/ C494M-99a
Type D and G

TECHNICAL DATA:
Dosage: 0.8 to 2 litres per 100 kg of total cementitious material.
Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Dynamon SR1380

Hyperplasticising admixture based on a new generation of polycarboxylate ether for high performance concrete mixes with very low water cement ratios, high early compressive strengths, specially designed to improve the rheology of precast concrete.

EN 934-2
ASTM C494/ C494M-99a
Type F and G

TECHNICAL DATA:
Dosage: 0.8 to 2 litres per 100 kg of total cementitious material.
Packaging: 200 litre jerrycans and 1000 litre megadrums; or supplied in bulk available on request.

Dynamon SR1400 NEW

Third generation superplasticizer based on modified acrylic polymer; developed specifically for ready mix concrete industries; requiring the highest concrete quality and performance.

EN 934-2
T 11.1-11.2
ASTM C494
Type G and F

TECHNICAL DATA:
Dosage:
- Normal concrete: 0.5 to 1.5 litres per 100 kg of total cementitious content;
- High performance concrete: 0.8 to 2.0 litres per 100 kg of total cementitious material.

Packaging: 200 litre jerry cans and 1000 litre mega drums; or supplied in bulk available on request.

Dynamon SR1500 NEW

Third generation superplasticizer based on modified acrylic polymer; developed specifically for ready mix concrete industries; requiring the highest concrete quality and performance.

EN 934-2
T 11.1-11.2
ASTM C494
Type G

TECHNICAL DATA:
Dosage:
- Normal concrete: 0.5 to 1.5 litres per 100 kg of total cementitious content;
- High performance concrete: 0.8 to 2.0 litres per 100 kg of total cementitious material.

Packaging: 200 litre jerry cans and 1000 litre mega drums; or supplied in bulk available on request.

Dynamon SP5000

Superplasticiser admixture based on polymer modified polycarboxylate ether for high performance concrete mixes with very low water/cement ratios, high compressive strengths and long slump retention in hot climates.

EN 934-2
T 3
ASTM C494
Type F,G

TECHNICAL DATA:
Dosage:
- High performance concrete: 0.5 to 1.5 litres per 100 kg of total cementitious content;
- Self compacting concrete: 0.8 to 2.0 litres per 100 kg of total cementitious material.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Dynamon SP5100

Hyperplasticising admixture based on polymer modified polycarboxylate ether for high performance concrete mixes with very low water cement ratios, high compressive strengths, long slump retention and self compacting concrete.

Also available as:
- Dynamon SP5100 IR

EN 934-2
T 11.1-11.2
ASTM C494
Type G

TECHNICAL DATA:
Dosage:
- High performance concrete: 0.5 to 1.5 litres per 100 kg of total cementitious content;
- Self compacting concrete: 0.8 to 2 litres per 100 kg of total cementitious content.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Dynamon SP5600

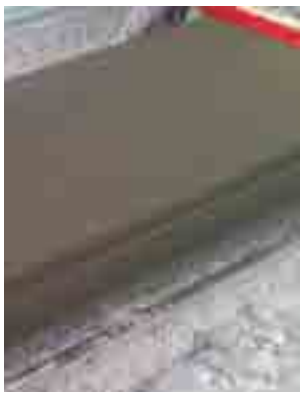
Hyperplasticising admixture based on a new generation of polycarboxylate ether for high performance concrete mixes with very low water cement ratios, high early compressive strengths, long slump retention and self consolidating & self compacting concrete.

Also available as:
- Dynamon SP5600 IR
- Dynamon SP5600 Q

EN 934-2
T 11.1-11.2
ASTM C494
Type G and F

TECHNICAL DATA:
Dosage:
- Typical dosage: 0.5 to 1.5 litres per 100 kg of total cementitious content;
- High performance concrete: 0.8 to 2 litres per 100 kg of total cementitious content.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.



Dynamon SP5610

Hyperplasticising admixture based on a new generation of polycarboxylate ether for high performance concrete mixes with very low water cement ratios, high early compressive strengths, particularly suitable for hollow core production.

Also available as:
- Dynamon SP5610 Q

EN 934-2
T 3.1-3.2-7
ASTM C494
Type F,G

TECHNICAL DATA:
Dosage:
- Typical dosage: 0.5 to 1.5 litres per 100 kg of total cementitious content;
- High performance concrete: 0.8 to 2 litres per 100 kg of total cementitious content.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Dynamon SR2020 NEW

Hyperplasticising admixture based on a new generation of polycarboxylate ether for high performance concrete mixes with very low water cement ratios, high early compressive strengths, long slump retention and self consolidating and self compacting concrete.

EN 934-2
T 11.1-11.2
ASTM C494
Type G and F

TECHNICAL DATA:
Dosage:
- Typical dosage: 0.5 to 1.5 litres per 100 kg of total cementitious material;
- High performance concrete: 0.8 to 2.0 litres per 100 kg of total cementitious material.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre mega drums available on request.

Dynamon SR3300 NEW

Hyperplasticising admixture based on polymer modified polycarboxylate ether for high performance and self compacting concrete mixes.

EN 934-2
T 3
ASTM C494
Type F,G

TECHNICAL DATA:
Dosage:
- High performance concrete: 0.5 to 1.5 litres per 100 kg of total cementitious material;
- Self compacting concrete: 0.5 to 2.0 litres per 100 kg of total cementitious material.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Dynamon SR3500 NEW

Superplasticizer based on modified acrylic polymer for concrete with very low water cement ratio, high compressive strengths and long slump retention.

EN 934-2
T 11.1-11.2
ASTM C494
Type G

TECHNICAL DATA:
Dosage:
- High performance concrete: 0.5 to 1.5 litres per 100 kg of total cementitious material;
- Self compacting concrete: 0.5 to 2.0 litres per 100 kg of total cementitious material.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Dynamon SR3600 NEW

Superplasticizer based on modified acrylic polymer for concrete with very low water cement ratio, high compressive strengths and long slump retention.

EN 934-2
T 11.1-11.2
ASTM C494
Type G

TECHNICAL DATA:
Dosage:
- High performance concrete: 0.5 to 1.5 litres per 100 kg of total cementitious material;
- Self compacting concrete: 1.0 to 2.0 litres per 100 kg of total cementitious material.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Dynamon SP5300

Hyperplasticising admixture based on new generation polycarboxylate ether for high performance concrete mixes with very low water cement ratios, high early compressive strengths, long slump retention and self consolidating & self compacting concrete.

EN 934-2
T 11.1-11.2
ASTM C494
Type G and F

TECHNICAL DATA:
Dosage:
- Typical dosage: 0.5 to 1.5 litres per 100 kg of total cementitious content;
- High performance concrete: 0.8 to 2 litres per 100 kg of total cementitious content.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Dynamon PC1100

Special hyperplasticising admixture for high quality precast concrete & hollow core slabs.

EN 934-2
T 3.1-3.2
ASTM C494
Type F

TECHNICAL DATA:
Dosage:
- Standard precast concrete production: 0.5 to 2 litres per 100 kg of total cementitious material;
- Hollow core slabs production: 0.5 to 1.5 litres per 100 kg of total cementitious materials.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Dynamon PC1150

Special hyperplasticising admixture for high quality precast concrete & hollow core slabs.

EN 934-2
T 3.1-3.2
ASTM C494
Type F

TECHNICAL DATA:
Dosage:
- Standard precast concrete production: 0.5 to 2 litres per 100 kg of total cementitious material;
- Hollow core slabs production: 0.5 to 1.5 litres per 100 kg of total cementitious materials.

Packaging: 200 litre jerry cans and 1000 litre mega drums; or supplied in bulk available on request.

Dynamon SC950 NEW

High performance proprietary screed additive.

TECHNICAL DATA:
Dosage: 0.25 - 1 Litre per 100 kg of total cementitious materials.
Packaging: 25 kg jerry cans, 200 liter drums and 100 liter mega drums.

Mapefluid N140

Water-reducing superplasticiser for concrete.

EN 934-2
T 3.1-3.2-7
ASTM C494
Type F,G

TECHNICAL DATA:
Dosage: 0.5 - 2 Litres per 100 kg of total cementitious materials.
Packaging: 25 liter jerrycans, 200 litre drums and 1000 litre mega drums; or supplied in bulk available on request.

Mapefluid N180

Water-reducing, superplasticiser/ retarder for concrete.

EN 934-2
T2, 10, 11.1 & 11.2
ASTM C494
Type A, B, D and G
BS 5075: Part 1

TECHNICAL DATA:
Dosage: 0.5 - 2 litres per 100 kg of total cementitious materials.
Packaging: 25 litre jerrycans, 200 litre drums and 1000 litre megadrums; or supplied in bulk available on request.

Mapefluid N190

Water-reducing, superplasticiser developed specifically for ready mix concrete industries; requiring the highest concrete quality and performance.

Also available as:
- Mapefluid N190 IR

EN 934-2
T2, 10, 11.1 & 11.2
ASTM C494
Type A, B, D and G

TECHNICAL DATA:
Dosage: 0.5 - 3 litres per 100 kg of total cementitious materials.
Packaging: 25 litre jerrycans, 200 litre drums and 1000 litre megadrums; or supplied in bulk available on request.

Mapefluid N300

High range water reducing superplasticiser for concrete containing fly ash, GGBS, and silica fume.

EN 934-2
T 11
ASTM C494
Type F,G

TECHNICAL DATA:
Dosage:
- Normal dosage: 0.5 to 1.2 litres per 100 kg of total cementitious material;
- Other dosage rates may be considered subject to trials.
- High performance concrete: 1 to 2 litres per 100 kg of total cementitious materials may be considered subject to trials.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Mapefluid N260

High range water reducing superplasticiser for concrete containing fly ash, GGBS, and silica fume.

EN 934-2
T 11.1-11.2
ASTM C494
Type G

TECHNICAL DATA:
Dosage:
- Normal dosage: 0.5 to 1.2 litres per 100 kg of total cementitious material;
- Other dosage rates may be considered subject to trials.
- High performance concrete: 1 to 2 litres of total cementitious materials may be considered subject to trials.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Mapefluid N300 CX

High range water reducing superplasticiser for concrete containing fly ash, GGBS, and silica fume.

EN 934-2
T 11.1-11.2
ASTM C494
Type G

TECHNICAL DATA:
Dosage:
- Normal dosage: 0.5 to 1.2 litres per 100 kg of total cementitious material;
- Other dosage rates may be considered subject to trials.
- High performance concrete: 1 to 2 litres of total cementitious materials may be considered subject to trials.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Mapefluid N350

High range water reducing superplasticiser for high strength concrete and concrete containing high proportions of GGBS and silica fume.

EN 934-2
T 11.1-11.2
ASTM C494
Type G

TECHNICAL DATA:
Dosage:
- Normal dosage: 0.5 to 1.2% by weight of total cementitious material;
- Other dosage rates may be considered subject to trials.
- High performance concrete: 1 to 2% by weight of total cementitious materials may be considered subject to trials.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Mapefluid N360

High range water reducing superplasticiser for high strength concrete and concrete containing high proportions of GGBFS and silica fume.

EN 934-2
T 11
ASTM C494
Type F,G

TECHNICAL DATA:
Dosage:
- Standard concrete: 0.5 to 1.5 litres per 100 kg of total cementitious material;
- High performance concrete: 0.5 to 2 litres per 100 kg of total cementitious materials.

Packaging: 25 litre jerrycans, 200 litre drums and 1000 litre megadrums; or supplied in bulk available on request.

Mapefluid N400

High range water reducing superplasticiser for high strength concrete and concrete containing high proportions of cement replacement materials.

EN 934-2
T 3
ASTM C494
Type F,G

TECHNICAL DATA:
Dosage:
- Normal dosage: 0.5 to 1.2 litres per 100 kg of total cementitous materials;
- High performance concrete: 1 to 2 litres per 100 kg of total cementitous materials.

Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Mapefluid N400 PC

High range water reducing superplasticiser for high strength concrete and concrete containing high proportions of cement replacement materials.

EN 934-2
T 3
ASTM C494
Type F

TECHNICAL DATA:
Dosage:
- Normal dosage: 0.5 to 1.2 litres per 100 kg of total cementitous materials;
- High performance concrete: 1 to 2 litres per 100 kg of total cementitous materials.

Packaging: 25 litre containers, 200 litre drums and 1000 litre megadrums; or supplied in bulk available on request.

Mapefluid N500

High range water reducing superplasticiser for all types of high durability concretes.

EN 934-2
T 3.1-3.2
ASTM C494
Type F,G

TECHNICAL DATA:
Dosage:
- Standard concrete: 0.5 to 1.2 litres per 100 kg of total cementitous materials;
- High performance concrete: 1 to 2 litres per 100 kg of total cementitous materials.

Packaging: 25 litre and 200 litre drums and 1000 litre megadrums; or supplied in bulk available on request.

Mapefluid N600

High-range water reducing superplasticiser for all types of high durability concretes.

EN 934-2
T 3.1-3.2
ASTM C494
Type F

TECHNICAL DATA:
Dosage:
- Standard concrete: 0.5 to 1.2 litres per 100 kg of total cementitous materials;
- High performance concrete: 1 to 2 litres per 100 kg of total cementitous materials.

Packaging: 25 litre and 200 litre drums and 1000 litre megadrums; or supplied in bulk available on request.

Mapeplast RP95 NEW

Retarding plasticiser water reducing admixture.

EN 934-2
T 10
ASTM C494
Type D

TECHNICAL DATA:
Dosage: 0.3 - 0.8 liters per 100 kg of total cementitious materials.
Packaging: 25 litre jerrycans, 200 litre drums and 1000 litre megadrums; or supplied in bulk available on request.

Mapeplast RP100

Retarding plasticiser water reducing admixture.

EN 934-2
T 10
ASTM C494
Type B

TECHNICAL DATA:
Dosage: 0.3 - 0.8 liters per 100 kg of total cementitious materials.
Packaging: 25 litre jerrycans, 200 litre drums and 1000 litre megadrums; or supplied in bulk available on request.

Mapeplast RP200

Retarding water reducing plasticising admixture.

EN 934-2
T 2
ASTM C494
Type B,D

TECHNICAL DATA:
Dosage: 0.3 - 0.8 liters per 100 kg of total cementitious materials.
Packaging: supplied in bulk; or 200 litre drums and 1000 litre totes available on request.

Mapecure SRA 25

Liquid admixture for reducing the shrinkage of concrete.

TECHNICAL DATA:
Dosage (in volume): 1 to 2 liters per 100 kg of cement.
Packaging: 5kg. 20kg and 235kg.

Mapeair LA/P
(former Mapeplast LA Powder)

Admixture for fluid pumpable fill and light mortar and concrete.

TECHNICAL DATA:
Dosage: 0.5 kg/m^3 of mix.
Packaging: 0.5 kg water-soluble bags (boxes of 30).

Mapeair LA/L
(former Mapeplast LA)

Liquid admixture for light-weight mortars and concretes.

TECHNICAL DATA:
Dosage: 0.8 to 1.2 litres/m^3 of mix.
Packaging: 200 litre drums, 25 kg buckets and 1000 litre tanks.

Mapeplast PMX

Admixture for enhancing the pumpability of concrete.

TECHNICAL DATA:
Dosage (by volume): 0.2 to 0.6 litres per 100 kg of cement.
Packaging: 200 litre steel drums and 1000 litre tanks; and available in bulk on request.

Mapeplast UW NEW

Anti-washout admixture for underwater concrete.

TECHNICAL DATA:
Dosage (by volume): 5-10 kg/m^3 of concrete.
Packaging: boxes containing four 3 kg bags.

Mapeform Eco 31

Form release-agent based on vegetable oils in water emulsion with chemical action.

TECHNICAL DATA:
Application: by pumps or atomisers at a pressure of 6 bar.
Consumption: from 15 to 25 g/m^2 on metal or plastic formwork.
Packaging: 1000 litre IBC, 200 litre drums; and 23 kg tanks.

Mapeform SB NEW

Solvent based mould release agent suitable for the mould shutter faces for concrete.

TECHNICAL DATA:
Application: by brush, sponge, squeegee or light horticultural sprayers.
Consumption: 25-50 m^2/litre.
Packaging: 200 litre drums; and 25 kg tanks.

Mapeform WB NEW

Form release-agent based on combination of water and chemical active release agent.

TECHNICAL DATA:
Application: by brush, sponge, squeegee or light horticultural sprayers.
Consumption:
- Spray applied: 30-40 m^2/litre;
- Marine Ply and Steel faced form work: upto 70 m^2/litre.

Packaging: 200 litre drums; and 25 kg tanks.

Re-Con Zerø

EN 934-5
Tab. 2

Two-component powder product used to completely recover returned concrete from mixer trucks.

TECHNICAL DATA:
Dosage:
Component A: 0.5 kg/m^3 of concrete to be treated;
Component B: 6 kg/m^3 of concrete to be treated.
Packaging:
Component A: 0.5 kg water-soluble bag;
Component B: 6x1 kg water-soluble bag.

Mapeclean Recycler

Admixture used to recover water used for cleaning concrete mixers.

TECHNICAL DATA:
Consumption: 2-3 (100 g) sachets for each cleaning cycle.
Packaging: 100 g water-soluble bags (200 sachets in each package).

Mapetard RCC ME

EN 934-2 T 8 ASTM C494/ Type B

Liquid retarding admixture with plasticizing effect.

TECHNICAL DATA:
Dosage: 1 to 6 litres/m^3 of mix.
Packaging: supplied in bulk; 1000 litre mega-drums and 25 kg tanks.

Mapefast HA

EN 934-2 T 6 ASTM C494/ C494M Type C

Hardening accelerator for concrete and mortar.

TECHNICAL DATA:
Dosage: 0.8 to 1.5% by weight of cement.
Packaging: 25 litre cans; 200 litre barrels; 1000 litres IBC container; or in bulk.

Mapecure E

Film-forming curing compound in water emulsion for concrete.

TECHNICAL DATA:
Consumption:
– neat: 70-100 g/m^2;
– diluted: 1:1 with water: 140-200 g/m^2 solution.
Packaging: 25 kg tanks; and available in 200 litre drums on request.

Mapecure E18 NEW

Film-forming curing compound in water emulsion for concrete.

TECHNICAL DATA:
Consumption: 2-3 m^2/liter.
Packaging: 25 kg pails and 200 litre drums.

Mapecure E35 NEW

Film-forming curing compound in water emulsion for concrete.

TECHNICAL DATA:
Consumption: 3.5-5.0 m^2/liter.
Packaging: 25 kg pails and 200 litre drums.

Expanfluid ME NEW

Expansive agent for shrinkage-free fluid grouts for post-tension cable injection.

TECHNICAL DATA:
Dosage: 3-6% by weight of cement.
Packaging: 9 and 15 kg bags.

Idrocrete DM NEW

EN 934-2 T 9

Water repellent/hydrophobic waterproofing admixture for concrete.

TECHNICAL DATA:
Dosage (by volume): 0.2 to 0.6 litres per 100 kg of cement.
Packaging: 25 kg bags, 200 litre drums, 1000 litre tanks, and in bulk.

Vibromix S

High-efficiency water-repellent admixture for vibro-compressed and extruded concrete with dry consistency.

EN 934-2 T 9

TECHNICAL DATA:
Dosage: 0.2 to 1.2 litre per 100 kg of cement by volume.
Packaging: 200 litre drums; 1000 litre tanks; or in bulk.

Viscostar 3K NEW

High-efficiency viscosity modifying admixture used in the production of self-compacting concrete without fillers.

EN 934-2 T 13

TECHNICAL DATA:
Dosage (in volume):
– from 0.3 to 0.6 litres/m^3 of concrete if used as a pumping aid;
– from 0.5 to 1.5 litres/m^3 of concrete if used as a mix improver for poor quality sand;
– from 1.0 to 2.5 litres/m^3 of concrete if used instead of mineral admixtures in self-compacting concrete.
Packaging: 200 litre drums; 1000 litre tanks; or in bulk.

Mapefibre

Structural polymer fibers for concrete.

TECHNICAL DATA:
Dosage: 0.6 to 1 kg/m^3 of concrete.

Mapefibre NS12

Virgin, mono-filament polypropylene fibres for mortar and concrete, available in diameter of 12 mm.

TECHNICAL DATA:
Dosage: 0.6 kg/m^3 of concrete.
Packaging: boxes of 30x0.6 kg each.

Mapefibre ST24/ST42

Structural polymer fibres for concrete.
May be used to completely or partially substitute conventional reinforcement.
Length of fibres: 24 and 42 mm.

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


MAPEI


MAPEI

MAPEI SOLUTIONS - INSTALLATION OF STONE MATERIALS

MAPEI SOLUTIONS FOR THE INSTALLATION OF STONE MATERIAL

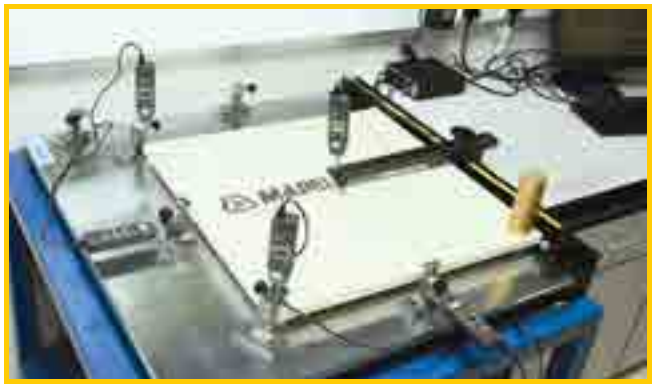
The choice of which type of adhesive to use when installing stone material must be made according to their dimensional stability and their sensitivity to water and thermal variations. On the contrary to ceramic tiles, stone material may curl considerably due to the presence of humidity which rises up from the adhesive layer of mortar bed. Furthermore, in the presence of water rising up from the substrate, screed or adhesive, stone materials may be stained and/or present unsightly efflorescence.
Mapei has studied and developed a system, the only one of its kind in the world, to analytically classify stone material according to their sensibility to water, and which is based on the following test procedure:
A damp felt is placed on the reverse side of the stone slab to simulate the humidity which rises up from the substrate (sand and cement mortar bed or traditional adhesive); by means of a series of high-precision, digital sensors a real-time recording of the deformation of the stone slab due to the humidity given off from the felt is carried out.

According to the amount of deformation (δ), measured after 6 hours after applying the damp felt, the stone material is divided into three classes (Tab. 2):

a) Class A: $\delta < 0.3$ mm
b) Class B: $0.3\ \delta < 0.6$ mm
c) Class C: $\delta\ 0.6$ mm

For slabs in class A, the choice of adhesive will depend on factors other than the characteristics of the stone material (the size of the slab, type of substrate, service conditions of the material).
For the materials in class B or class C, the test must be repeated, but a layer of fast-setting cementitious adhesve is used instead of the damp felt, to establish if the use of a fast-setting adhesive that blocks the movements in the first drying hours is sufficient for laying these particularly moisture sensitive materials, or it is necessary to use a water-free adhesive (epoxy or polyurethane).
Table 1 lists the recommended Mapei adhesives for laying natural stone material or agglomerates, based on the dimensional stability for sensitvity to water and thermal variations in relation to their tendency to stain.

MAPEI UAE is privileged to have the country's only stone testing machine.



Tab. 1

MAPEI'S PRODUCTS

MAPEI ADHESIVES FOR LAYING STONE MATERIAL ON CEMENT-BASED PLASTER AND SCREEDS

STONE MATERIAL	STAINING	DEFORMATION CLASS A	DEFORMATION CLASS B**	DEFORMATION CLASS C***
Natural stone materials Cement-based agglomerates **LOCATION: Internal/External**	not sensitive	KERAFLEX, ADESILEX P4, ADESILEX P9 EXPRESS, KERABOND T+ISOLASTIC	GRANIRAPID ELASTORAPID	KERALASTIC KERAPOXY ULTRABOND ECO PU 2K
	sensitive	GRANIRAPID ELASTORAPID	GRANIRAPID ELASTORAPID	KERALASTIC KERAPOXY ULTRABOND ECO PU 2K
Resin-based agglomerates* **LOCATION: Internal use only**	not sensitive	KERAFLEX MAXI S1	GRANIRAPID ELASTORAPID	KERALASTIC KERAPOXY ULTRABOND ECO PU 2K
	sensitive	GRANIRAPID ELASTORAPID	GRANIRAPID	KERALASTIC KERAPOXY ULTRABOND ECO PU 2K

* Because of the high coefficient of thermal expansion (>25 x 10^{-6} C^{-1}) of slabs in resin-based artifical material, this type of material is not recommended for external dressings due to the very high risk of it coming unstuck from the support material. Also, when resin-based artificial material is used for internal applications, if it is laid in areas subject to direct sunlight (close to large shop windows, for example), whatever the stain sensitivity or deformation class of the matieral, it is necessary to use **KERALASTIC** or **ULTRABOND ECO PU 2K.**

** Materials belonging to classes B and C which after repeating the dimensional stability test with **GRANIRAPID** or **ELASTORAPID**, enter into class A ($\delta < 0.3$ mm).

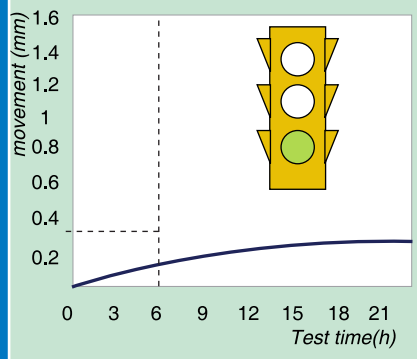
*** Materials belonging to classes B and C which, after repeating the dimensional stability test with **GRANIDRAPID** or **ELASTORAPID**, remain in classes B or C.

Tab. 2

CLASSIFICATION OF NATURAL AND ARTIFICIAL STONE MATERIALS ACCORDING TO THE DIMENSIONAL STABILITY TEST (SENSITIVITY TO WATER)

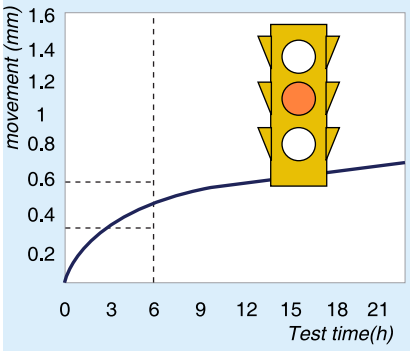
Class A

A movement of less than 0.3 mm after 6 hours



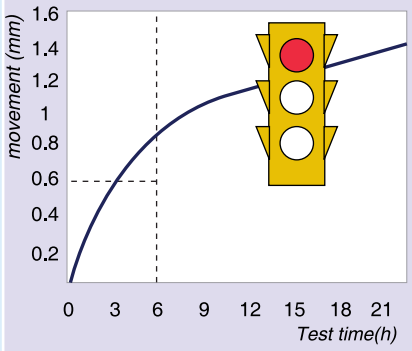
Class B

A movement of between 0.3 mm and 0.6 mm after 6 hours



Class C

A movement of more than 0.6 mm after 6 hours



SOME OF THE MATERIALS TESTED BY MAPEI'S RESEARCH LABORATORIES

Granite:
Black
Blue Impala
Green
Montorfano
Red

Various:
Brazillian Pink Quartz
Crystalline Alabaster
Mexican Stone
Onyx
Pietra del Sol
Pietra Lara
Volvic stone

Marble:
Arabesque
Brazillian White
Bianco Rosa
Botticino
Carrara
Jacaranda
Marquina Black
Motrico Grey
Polished Paradise
Rosa Portugalo
Rosso Verona
Serpentino Valmalenco
Statuario Venato
Thassos White
Travertine S. Classic
Venetian Gold

Agglomerates:
Botticino (cement)
Breccia Aurora (resin)
Carrara White (cement)

Various:
Arenite Prince
Black Ardesia
Brazilian Koburko
Carona Ardesia
Imperial Brown
Indian Ardesia
Sardinian Blue Ignimbrite
Sardinian Red Ignimbrite

Marble:
Amethyist
Pietra Cappellania
Trachyt Weidenhahn

Agglomerates:
Alpe Sabbiato (resin)
Amarelo (resin)
Diorite (cement)
Giallo Camico (resin)
Golden Yellow (cement)
Marbrelys (resin)
Zandobbio White (cement)

Porphyry:
Bisanzio Green
Grey Green
Marron
Peruvian Porphyry
Predazzo Red
Speranza Green
Violet

Various:
Ardesua di Carona
Giada Green
Mergozzo Green
Pietra Lara
Volvic Stone

Marble:
Alpine Copper Green
Alpine Green
Aver Green
Guatemalan Green

Agglomerates:
Levantine Green (resin)
Levantine Red (resin)
Light Grey (cement)
Portoro (resin)

The above classification, while corresponding to the company's wide experience, is to be considered merely as an indicator.
The tests on which it is based were carried out on samples which are not necessarily representative of all types of stone material belonging to the same mineralogical group.













SELECTION CHARTS

ADHESIVES FOR INSTALLING THIN PORCELAIN TILES ON INTERNAL AND EXTERNAL SURFACES

TYPE OF SUBSTRATE	FORMAT
Installation of thin porcelain tiles **WITH** glass fibre strengthening mesh **on internal cementitious screeds or existing ceramic flooring** and **on internal walls**	< 5000 cm² (the longer side must be no more than 100 cm)
	> 5000 cm²
Installation of thin porcelain tiles **WITHOUT** glass fibre strengthening mesh **on internal cementitious screeds or existing ceramic flooring** and **on internal walls**	< 5000 cm² (the longer side must be no more than 100 cm)
	> 5000 cm²
Installation of thin porcelain tiles **WITH** or **WITHOUT** glass fibre strengthening mesh **on internal cementitious screeds with underfloor heated flooring**	< 5000 cm² (the longer side must be no more than 100 cm)
	> 5000 cm²
Installation of thin porcelain tiles **WITH** glass fibre strengthening mesh **on waterproofed internal surfaces (such as MAPELASTIC**, **MAPELASTIC TURBO** or **MAPEGUM WPS)**	< 5000 cm² (the longer side must be no more than 100 cm)
	> 5000 cm²
Installation of thin porcelain tiles **WITHOUT** glass fibre strengthening mesh **on waterproofed internal surfaces (such as MAPELASTIC**, **MAPELASTIC TURBO** or **MAPEGUM WPS)**	< 5000 cm² (the longer side must be no more than 100 cm)
	> 5000 cm²
Installation of thin porcelain **WITH** or **WITHOUT** glass fibre strengthening mesh **on work benches, wooden furnishings, marine plywood and metal**	< 5000 cm² (the longer side must be no more than 100 cm)
	> 5000 cm²
Installation of tiles **WITH** glass fibre strengthening mesh **on façades on cementitious render or reinforced concrete**	< 5000 cm² (the longer side must be no more than 100 cm)
	> 5000 cm²
Installation of tiles **WITHOUT** glass fibre strengthening mesh **on façades on cementitious render or reinforced concrete**	< 5000 cm² (the longer side must be no more than 100 cm)
	> 5000 cm²
MAPETHERM TILE SYSTEM, for installing thin porcelain tiles **on thermal insulation system**	< 5000 cm² (the longer side must be no more than 100 cm)

KEY

EPOXY-POLYURETHANE adhesive

≈ Rapid solution

RECOMMENDED ADHESIVES

NORMAL SETTING	FAST SETTING
KERAFLEX MAXI S1 ULTRALITE S1	GRANIRAPID
KERABOND T + ISOLASTIC ULTRALITE S2	ELASTORAPID
KERAFLEX ULTRALITE FLEX	KERAQUICK S1 *
KERAFLEX MAXI S1 ULTRALITE S1	GRANIRAPID
KERABOND T + ISOLASTIC ULTRALITE S2	ELASTORAPID
	KERAQUICK S1 + LATEX PLUS *
KERAFLEX MAXI S1 ULTRALITE S1	ELASTORAPID
KERABOND T + ISOLASTIC ULTRALITE S2	KERAQUICK S1 + LATEX PLUS *
KERAFLEX ULTRALITE FLEX	KERAQUICK S1 *
KERAFLEX MAXI S1 ULTRALITE S1	GRANIRAPID
KERALASTIC ULTRABOND ECO PU 2K	KERAQUICK S1 + LATEX PLUS * ELASTORAPID Δ
KERALASTIC T ULTRABOND ECO PU 2K	
KERABOND T + ISOLASTIC ULTRALITE S2	ELASTORAPID Δ
KERALASTIC T ULTRABOND ECO PU 2K	KERAQUICK S1 + LATEX PLUS * ELASTORAPID Δ
KERAFLEX MAXI S1 ULTRALITE S1	ELASTORAPID
KERABOND T + ISOLASTIC ULTRALITE S2	KERAQUICK S1 + LATEX PLUS *
KERABOND T + ISOLASTIC ULTRALITE S2	ELASTORAPID KERAQUICK S1 + LATEX PLUS *

* Product not available locally. Technical recommendation can be obtained from the local MAPEI representative.
Δ Depending on the type of substrate. Please contact the local Mapei representative.

ADHESIVES FOR INSTALLING CERAMIC TILES, MOSAICS AND STONE ON INTERNAL FLOORS

FLOOR	CERAMIC TILES AND MOSAICS					
TYPE OF SUBSTRATE	Glass mosaics or ceramic tiles		Single-fired, double-fired or terracotta		Porcelain tiles or klinker	
	NORMAL SETTING	FAST SETTING	NORMAL SETTING	FAST SETTING	NORMAL SETTING	
Cementitious screeds and screeds made from special binders	ADESILEX P10	KERAQUICK S1 *	KERABOND T ADESILEX P9 ULTRALITE FLEX	KERAQUICK S1 *	ADESILEX P9 KERAFLEX ULTRALITE FLEX	
Concrete floor slabs and flooring	ADESILEX P10 + ISOLASTIC 50%	GRANIRAPID ELASTORAPID	ADESILEX P9 KERAFLEX ULTRALITE FLEX	GRANIRAPID	KERAFLEX ULTRALITE S1 KERAFLEX MAXI S1 ULTRALITE FLEX	
Anhydrite screeds (with PRIMER G or ECO PRIM T)	ADESILEX P10 KERABOND T + ISOLASTIC 50%	KERAQUICK S1 *	KERABOND T ADESILEX P9 KERAFLEX ULTRALITE FLEX	KERAQUICK S1 *	ADESILEX P9 KERAFLEX ULTRALITE FLEX	
Heated screeds	ADESILEX P10 + ISOLASTIC 50%	GRANIRAPID ELASTORAPID	ADESILEX P9 KERAFLEX ULTRALITE FLEX	GRANIRAPID	KERAFLEX ULTRALITE S1 KERAFLEX MAXI S1 ULTRALITE FLEX	
Existing ceramic, terrazzo or natural stone floors	ADESILEX P10 + ISOLASTIC 50%	GRANIRAPID ELASTORAPID	ADESILEX P9 KERAFLEX ULTRALITE FLEX	GRANIRAPID	KERAFLEX ULTRALITE S1 KERAFLEX MAXI S1 ULTRALITE FLEX	
Surfaces waterproofed with MAPEGUM WPS or MAPELASTIC	ADESILEX P10 + ISOLASTIC 50%	GRANIRAPID ELASTORAPID	KERAFLEX KERAFLEX MAXI S1 ULTRALITE FLEX	ELASTORAPID GRANIRAPID	KERAFLEX ULTRALITE S1 KERAFLEX MAXI S1 ULTRALITE FLEX	
Marine plywood	KERABOND T + ISOLASTIC KERALASTIC ULTRABOND ECO PU 2K	ELASTORAPID	KERABOND T + ISOLASTIC KERALASTIC ULTRABOND ECO PU 2K	ELASTORAPID	KERABOND T + ISOLASTIC KERALASTIC ULTRABOND ECO PU 2K	
Existing PVC, rubber or linoleum floors	KERALASTIC KERABOND T + ISOLASTIC 50% ULTRABOND ECO PU 2K	KERAQUICK S1 + LATEX PLUS *	KERALASTIC ULTRABOND ECO PU 2K	KERAQUICK S1 + LATEX PLUS *	KERALASTIC KERAPOXY ADHESIVE ULTRABOND ECO PU 2K	
Metal surfaces	KERALASTIC ULTRABOND ECO PU 2K	KERAQUICK S1 + LATEX PLUS *	KERALASTIC ULTRABOND ECO PU 2K	KERAQUICK S1+ LATEX PLUS *	KERALASTIC ULTRABOND ECO PU 2K	

KEY

HYDRAULIC BINDER-BASED adhesive

EPOXY-POLYURETHANE adhesive

EPOXY adhesive

NATURAL / ARTIFICIAL STONE

	Dimensionally-stable stone (class A according to MAPEI classification system) not sensitive to staining		Stone with poor dimensional stability (class B according to MAPEI classification system) or stone sensitive to staining		Stone with **no** dimensional stability (class C according to MAPEI classification system) or resin-based recomposed material sensitive to heat
FAST SETTING	NORMAL SETTING	FAST SETTING	NORMAL SETTING	FAST SETTING	
GRANIRAPID	KERAFLEX ULTRALITE FLEX	ADESILEX P4 KERAQUICK S1 * KERAQUICK S1 + LATEX PLUS * GRANIRAPID ELASTORAPID	KERALASTIC ULTRABOND ECO PU 2K	KERAQUICK S1 * KERAQUICK S1 + LATEX PLUS * GRANIRAPID ELASTORAPID	KERALASTIC KERAPOXY / KERAPOXY ADHESIVE ULTRABOND ECO PU 2K
ELASTORAPID GRANIRAPID	KERAFLEX ULTRALITE S1 KERAFLEX MAXI S1 ULTRALITE FLEX				
GRANIRAPID	KERAFLEX ULTRALITE FLEX				
ELASTORAPID GRANIRAPID	KERAFLEX ULTRALITE S1 KERAFLEX MAXI S1 ULTRALITE FLEX				
ELASTORAPID GRANIRAPID	KERAFLEX ULTRALITE S1 KERAFLEX MAXI S1 ULTRALITE FLEX				
ELASTORAPID	KERAFLEX ULTRALITE S1 KERAFLEX MAXI S1 ULTRALITE FLEX				KERALASTIC ULTRABOND ECO PU 2K
ELASTORAPID	KERABOND T + ISOLASTIC KERALASTIC ULTRABOND ECO PU 2K	ELASTORAPID		KERAQUICK S1 + LATEX PLUS *	
KERAQUICK S1 + LATEX PLUS *	KERALASTIC ULTRABOND ECO PU 2K	KERAQUICK S1 + LATEX PLUS *		KERAQUICK S1 + LATEX PLUS *	
KERAQUICK S1 + LATEX PLUS *	KERALASTIC KERAPOXY/ KERAPOXY ADHESIVE ULTRABOND ECO PU 2K	KERAQUICK S1 + LATEX PLUS *	KERALASTIC KERAPOXY/ KERAPOXY ADHESIVE ULTRABOND ECO PU 2K	KERAQUICK S1 + LATEX PLUS *	KERALASTIC KERAPOXY/ KERAPOXY ADHESIVE ULTRABOND ECO PU 2K

* Product not available locally. Technical recommendation can be obtained from the local MAPEI representative.

ADHESIVES FOR INSTALLING CERAMIC TILES, MOSAICS AND STONE ON INTERNAL WALLS

WALLS	CERAMIC TILES AND MOSAICS					
TYPE OF SUBSTRATE	Glass mosaics or ceramic tiles		Single-fired, double-fired or terracotta		Porcelain tiles or klinker	
	NORMAL SETTING	FAST SETTING	NORMAL SETTING	FAST SETTING	NORMAL SETTING	
Cementitious render or skim coats	ADESILEX P10	KERAQUICK S1 *	KERABOND T ADESILEX P9	KERAQUICK S1 *	ADESILEX P9 KERAFLEX ULTRALITE FLEX	
Concrete	ADESILEX P10 + ISOLASTIC 50%	ELASTORAPID	ADESILEX P9 KERAFLEX ULTRALITE FLEX	GRANIRAPID	KERAFLEX ULTRALITE S1 KERAFLEX MAXI S1 ULTRALITE FLEX	
Expanded or cellular cement blocks (with PRIMER G or ECO PRIM T)	ADESILEX P10	KERAQUICK S1 *	KERABOND T ADESILEX P9	KERAQUICK S1 *	ADESILEX P9 KERAFLEX ULTRALITE FLEX	
Lime-based skim coats or render (with PRIMER G or ECO PRIM T)	ADESILEX P10	KERAQUICK S1 *	KERABOND T + ISOLASTIC 50% ADESILEX P9	KERAQUICK S1 *	ADESILEX P9 KERAFLEX ULTRALITE FLEX	
Plasterboard	ADESILEX P10	KERAQUICK S1 *	ADESILEX P9 KERAFLEX ULTRALITE FLEX	KERAQUICK S1 *	ADESILEX P9 KERAFLEX KERAFLEX MAXI S1 ULTRALITE FLEX	
Surfaces waterproofed with MAPEGUM WPS or MAPELASTIC	ADESILEX P10 + ISOLASTIC 50%	ELASTORAPID	ADESILEX P9 KERAFLEX KERAFLEX MAXI S1 ULTRALITE FLEX	GRANIRAPID	KERAFLEX KERAFLEX MAXI S1 ULTRALITE S1 ULTRALITE FLEX	
Cement-fibre panels (with PRIMER G or ECO PRIM T)	ADESILEX P10	KERAQUICK S1 *	KERABOND T ADESILEX P9	KERAQUICK S1 *	ADESILEX P9 KERAFLEX ULTRALITE FLEX	
Metal surfaces	KERALASTIC T ULTRABOND ECO PU 2K	KERAQUICK S1 + LATEX PLUS *	KERALASTIC T ULTRABOND ECO PU 2K	KERAQUICK S1 + LATEX PLUS *	KERALASTIC T ULTRABOND ECO PU 2K	

KEY

HYDRAULIC BINDER-BASED adhesive

EPOXY-POLYURETHANE adhesive

EPOXY adhesive

READY-TO-USE DISPERSION adhesive

(*) apply PRIMER G or ECO PRIM T beforehand

		NATURAL / ARTIFICIAL STONE				
		Dimensionally-stable stone (class A according to MAPEI classification system) not sensitive to staining		Stone with poor dimensional stability (class B according to MAPEI classification system) or stone sensitive to staining		Stone with **no** dimensional stability (class C according to MAPEI classification system) or resin-based recomposed material sensitive to heat
FAST SETTING		NORMAL SETTING	FAST SETTING	NORMAL SETTING	FAST SETTING	
GRANIRAPID		KERAFLEX	KERAQUICK S1 * KERAQUICK S1 + LATEX PLUS * GRANIRAPID ELASTORAPID	KERALASTIC T ULTRABOND ECO PU 2K	KERAQUICK S1 * KERAQUICK S1 + LATEX PLUS * GRANIRAPID ELASTORAPID	KERALASTIC T KERAPOXY / KERAPOXY ADHESIVE ULTRABOND ECO PU 2K
ELASTORAPID GRANIRAPID		KERAFLEX KERAFLEX MAXI S1 ULTRALITE S1 ULTRALITE FLEX				
GRANIRAPID		KERAFLEX KERAFLEX MAXI S1 ULTRALITE FLEX				
GRANIRAPID		KERAFLEX KERAFLEX MAXI S1 ULTRALITE FLEX				
GRANIRAPID		KERAFLEX KERAFLEX MAXI S1 ULTRALITE FLEX				
ELASTORAPID		KERAFLEX KERAFLEX MAXI S1 ULTRALITE S1 ULTRALITE FLEX				
GRANIRAPID		KERAFLEX KERAFLEX MAXI S1 ULTRALITE FLEX	GRANIRAPID		GRANIRAPID KERAQUICK S1 *	KERALASTIC T ULTRABOND ECO PU 2K
KERAQUICK S1 + LATEX PLUS *		KERALASTIC T ULTRABOND ECO PU 2K	KERAQUICK S1 + LATEX PLUS *		KERAQUICK S1 + LATEX PLUS *	

* Product not available locally. Technical recommendation can be obtained from the local MAPEI representative.

ADHESIVES FOR INSTALLING CERAMIC TILES, MOSAICS AND STONE ON EXTERNAL SURFACES

FLOOR	CERAMIC TILES AND MOSAICS			
TYPE OF SUBSTRATE	Glass mosaics or ceramic tiles		Porcelain tiles, klinker, single-fired or terracotta	
	NORMAL SETTING	FAST SETTING	NORMAL SETTING	FAST SETTING
Cementitious screeds and screeds made from special binders	ADESILEX P10 + ISOLASTIC 50%	ELASTORAPID GRANIRAPID	KERAFLEX KERAFLEX MAXI S1 ULTRALITE S1 ULTRALITE FLEX	GRANIRAPID
Surfaces waterproofed with MAPELASTIC		ELASTORAPID	ULTRALITE S1 ULTRALITE S2 KERAFLEX MAXI S1 KERABOND T + ISOLASTIC	ELASTORAPID
Concrete			ULTRALITE S1 ULTRALITE S2 KERAFLEX MAXI S1 KERABOND T + ISOLASTIC	

WALLS AND FAÇADES	CERAMIC TILES AND MOSAICS			
TYPE OF SUBSTRATE	Glass mosaics or ceramic tiles		Porcelain tiles, klinker, single-fired or terracotta	
	NORMAL SETTING	FAST SETTING	NORMAL SETTING	FAST SETTING
Cementitious render or concrete	ADESILEX P10 + ISOLASTIC 50%	GRANIRAPID ELASTORAPID	ULTRALITE S1 ULTRALITE S2 KERAFLEX MAXI S1 KERABOND T + ISOLASTIC	ELASTORAPID KERAQUICK S1 + LATEX PLUS *

SWIMMING POOLS, TANKS, etc.	CERAMIC TILES AND MOSAICS			
TYPE OF SUBSTRATE	Glass mosaics or ceramic tiles		Porcelain tiles, klinker, single-fired or terracotta	
	NORMAL SETTING	FAST SETTING	NORMAL SETTING	FAST SETTING
Cementitious screeds, screeds made with special binders, concrete and surfaces waterproofed with MAPELASTIC	ADESILEX P10 + ISOLASTIC 50% ULTRALITE S1	ELASTORAPID	ULTRALITE S1 ULTRALITE S2 KERAFLEX MAXI S1 KERABOND T + ISOLASTIC	GRANIRAPID ELASTORAPID
Fibreglass	KERAPOXY/ KERAPOXY ADHESIVE	-	KERAPOXY/ KERAPOXY ADHESIVE	-

KEY
HYDRAULIC BINDER-BASED adhesive
EPOXY-POLYURETHANE adhesive
EPOXY adhesive

(*) apply PRIMER G or ECO PRIM T beforehand

NATURAL / ARTIFICIAL STONE

Dimensionally-stable stone (class A according to MAPEI classification system) not sensitive to staining		Stone with poor dimensional stability (class B according to MAPEI classification system) or stone sensitive to staining		Stone with **no** dimensional stability (class C according to MAPEI classification system) or resin-based recomposed material sensitive to heat
NORMAL SETTING	FAST SETTING	NORMAL SETTING	FAST SETTING	
KERAFLEX KERAFLEX MAXI S1 ULTRALITE S1 ULTRALITE FLEX	ELASTORAPID GRANIRAPID KERAQUICK S1 *	KERAPOXY/ KERAPOXY ADHESIVE	ELASTORAPID GRANIRAPID KERAQUICK S1 *	KERALASTIC T KERAPOXY / KERAPOXY ADHESIVE ULTRABOND ECO PU 2K
ULTRALITE S1 ULTRALITE S2 KERAFLEX MAXI S1 KERABOND T + ISOLASTIC		KERALASTIC T KERAPOXY / KERAPOXY ADHESIVE ULTRABOND ECO PU 2K		
ULTRALITE S1 ULTRALITE S2 KERAFLEX MAXI S1 KERABOND T + ISOLASTIC				

NATURAL / ARTIFICIAL STONE

Dimensionally-stable stone (class A according to MAPEI classification system) not sensitive to staining		Stone with poor dimensional stability (class B according to MAPEI classification system) or stone sensitive to staining		Stone with **no** dimensional stability (class C according to MAPEI classification system) or resin-based recomposed material sensitive to heat
NORMAL SETTING	FAST SETTING	NORMAL SETTING	FAST SETTING	
ULTRALITE S1 ULTRALITE S2 KERAFLEX MAXI S1 KERABOND T + ISOLASTIC	ELASTORAPID GRANIRAPID KERAQUICK S1 *	KERAPOXY/ KERAPOXY ADHESIVE	ELASTORAPID GRANIRAPID KERAQUICK S1 *	KERALASTIC T KERAPOXY / KERAPOXY ADHESIVE ULTRABOND ECO PU 2K

NATURAL / ARTIFICIAL STONE

Dimensionally-stable stone (class A according to MAPEI classification system) not sensitive to staining		Stone with poor dimensional stability (class B according to MAPEI classification system) or stone sensitive to staining		Stone with **no** dimensional stability (class C according to MAPEI classification system) or resin-based recomposed material sensitive to heat
NORMAL SETTING	FAST SETTING	NORMAL SETTING	FAST SETTING	
ULTRALITE S1 ULTRALITE S2 KERAFLEX MAXI S1 KERABOND T + ISOLASTIC	GRANIRAPID ELASTORAPID	-	-	-
KERAPOXY/ KERAPOXY ADHESIVE	-	-	-	-

* Product not available locally. Technical recommendation can be obtained from the local MAPEI representative.

GROUTS AND FLEXIBLE JOINTS

		TYPE OF COATING MATERIAL					
		Mosaic	Cotto	Ceramic tiles	Stone	Decorative elements in lightweight cementitious conglomerate	Porphyry and rough-cut stone
CEMENTITIOUS GROUTS	ULTRACOLOR PLUS (joints from 2 to 20 mm)	■	■	●	●		
	KERACOLOR SF (joints up to 4 mm)	■		■	■		
	KERACOLOR FF (joints up to 6 mm)	■		■	■		
	KERACOLOR GG (joints from 4 to 15 mm)		■	■	■		
EPOXY GROUTS	KERAPOXY (joints of at least 3 mm)	■		■			
	KERAPOXY DESIGN (joints from 2 to 7 mm)	●		■			
	KERAPOXY CQ	■		■			
READY-TO-USE PASTE PRODUCTS	FLEXCOLOR	■		■			
	FIX & GROUT BRICK					●	
PRODUCTS FOR LAYING PORPHYRY AND ROUGH-CUT STONE	KERACOLOR PPN						●
	MAPESTONE PFS 2						●
	MAPESTONE PFS 2 VISCO						●
	MAPESTONE PFS PCC2						●
FLEXIBLE JOINTS	MAPESIL AC	●	■	●			
	MAPESIL LM	■	●	■	●	■	●
	MAPEFLEX PU45 FT			■	■	■	■
	MAPEFLEX PU50 SL			■	■	●	■

■ = fit for use ● = particularly recommended by Mapei * = with FUGOLASTIC

WHERE TO USE												
Residential environments	Bathrooms and kitchens	Balconies and terraces	Swimming pools	Saunas and Turkish baths	Supermarkets	Public buildings	Façade coatings	Foodstuffs industries	Meat factories and oil blending facilities	Footpaths and courtyards	Roads and squares with limited traffic	Roads and squares for vehicular traffic
●	●	●	●	●	●	●	●	■				
■	■	■*	■*	■*								
■	■	■*	■*	■*								
■	■	■*	■*	■*	■ - ●*	■ - ●*	■*	■				
■	●	■	●	●	■	■		●				
■	●		●	●	■	●						
■	■	■	■	■	●	●		●				
							●					
■							■					
						■				●	●	●
						●				●	●	●
						●				●	●	●
						●				●	●	●
●	●	■	●	●		■	■			■		
■	■	●	■	■		■	●			■		
■	■	■			■	■	■			■	■	■
■	■	■								●	●	●

The installation suggestions in this table are to be considered merely for indication purposes and refer only to normal conditions. For further information, refer to the relative Technical Data Sheet for each product. Defining the most suitable installation system is highly influenced by the conditions on site and the format of the tiles to be installed. For all special cases, contact the Mapei Technical Assistance Department or the relative technical guides.

MAPEI MORTARS FOR REPAIRING CONCRETE

		Normal-setting thixotropic mortars								*Rapid-setting thixotropic mortars*				
		Mapegrout Thixotropic	**Mapegrout T60 ME**	**Mapegrout T80**	**Mapegrout FMR-PP**	**Mapegrout Easy Flow**	**Mapegrout Easy Flow GF**	**Mapegrout LM2K**	**Planitop G40 ME**	**Mapegrout Fast-Set**	**Planitop 400 ME**	**Mapegrout SV T**	**Planitop Smooth & Repair**	**Planitop Smooth & Repair R4**
Type of repair	**Repair of concrete cover**	•	•	•	•	•	•	•	•	•	•	•	•	•
	Structural repair	•	•	•	•	•	•	•		•				•
Classification according to EN 1504-3		R4	R4	R4	R4	R4	R4	R3	R3	R3	R3	R4	R2	R4
Application	**Trowel/gauging trowel**	•	•	•	•	•	•	•	•	•	•	•	•	•
	Continuous-mix rendering machine													
	Rendering machine with pre-mixing unit		•	•	•	•	•	•	•					
	By pouring													
Civil construction	**Repairs to the corners of beams and pillars**	•	•	•				•	•	•	•		•	•
	Repairs to the edges of balconies	•	•	•				•	•	•	•		•	•
	Repairs to ceilings	•	•	•				•	•				•	•
	Repairs to gutters	•						•					•	•
	Repairs to parapets	•	•	•				•	•				•	•
Industrial construction	**Fixing pillars in place**		•	•										
	Repairs to buffer panels	•	•	•				•		•	•		•	•
	Repairs to floors		•	•					•			•		•
	Repairs to beams and pillars	•	•	•	•			•	•				•	•
	Fixing machinery in place													
Infrastructure – Bridges and viaducts	**Repairs to piles**		•	•	•	•	•	•	•					
	Repairs to beams		•	•	•	•	•	•	•					
	Repairs to the face of internal floor slabs		•	•	•	•	•	•						
	Repairs to the face of external floor slabs		•	•	•	•	•							
	Repairs to pulvinoes		•	•	•	•	•	•						
	Repairs to reinforced concrete bearing elements		•	•	•	•	•							
	Repairs to kerbs				•	•	•							
	Repairs to joints in motorways													
Infrastructure – Hydraulic construction	**Repairs to walls**		•	•	•	•	•	•	•			•		
	Repairs to concrete beds					•	•					•		
	Repairs to joints		•	•	•	•	•		•					
	Repairs to upstream faces		•	•	•	•	•							
	Repairs to downstream faces		•	•	•	•	•							
	Repairs to overflow channels		•	•	•	•	•							
Highway maintenance	**Fixing inspection shafts, manholes and highway coating materials**											•		

	Normal-setting high flow mortars							*Rapid-setting high flow mortars*		*Normal-setting high flow micro-concretes*					*Cementitious binders*	
	Mapegrout Hi-Flow	**Mapegrout Hi-Flow GF**	**Mapegrout Hi-Flow TI 20**	**Mapegrout ME05**	**Mapegrout ME06**	**Mapefill GP ME**	**Mapefill SP ME**	**Mapegrout SV ME**	**Mapegrout SV Fiber**	**Mapefill MF 610**	**Mapegrout Betontech HPC**	**Mapegrout Betontech HPC10**	**Mapegrout Hi-Flow B2**	**Mapegrout Betoncino B1**	**Stabilcem**	**Stabilcem SCC**
	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•
	R4	R4	R4	R4	R4	/	/	R4	R4	R4	R4	R4	R4	R4	/	/
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
				•	•											
				•	•											
	•	•	•	•	•			•		•	•	•	•	•		
				•	•			•			•	•	•	•		
	•	•	•	•	•	•	•				•	•	•	•	•	
	•			•	•	•	•	•		•						
				•	•						•	•	•	•	•	•
				•	•										•	•
				•	•											
				•	•					•	•	•	•	•	•	•
	•	•	•					•	•	•	•	•	•	•	•	•
	•	•	•		•	•	•	•	•		•	•	•	•	•	•
	•	•	•					•	•		•	•	•	•		
	•	•	•					•	•							
	•	•	•					•	•	•	•	•	•	•	•	
				•	•	•	•									
	•	•	•	•	•	•	•	•	•	•						

MAPEI PRODUCTS FOR SMOOTHING CONCRETE SURFACES AND RENDERS

		Planitop 100	Planitop 110	Planitop 110 ME	Planitop 200	Planitop 207	Planitop 210	Planitop 217	
Type	Normal-setting		•	•	•	•	•	•	
	Rapid-setting	•							
Classification		EN 1504-2 Principles MC - IR	EN 1504-3	EN 1504-3	EN 1504-2 Principles MC - IR EN 998-1	EN 1504-2 Principles MC - IR EN 998-1	EN 1504-2 Principles MC - IR EN 998-1	EN 1504-2 Principles MC - IR EN 998-1	
Application method	Trowel/gauging trowel	•	•	•	•	•	•	•	
	Roller/brush								
Areas of use	Natural finish smoothing layer	•	•	•	•	•	•	•	
	Flexible smoothing layer								
	Smoothing out surface defects	•	•	•	•	•	•	•	
	Exposed finish smoothing layer								
	Localised repairs	•		•	•	•	•	•	
	Resistant to abrasion								
	Protects against aggressive agents								
	Suitable for installing ceramics				•	•	•	•	

	Planitop 530	Planitop 540	Planitop Fast 330	Planitop Fine Finish	Monofinish	Mapefinish	Planitop Smooth & Repair	Planitop Smooth & Repair R4
	•	•			•	•		
			•	•			•	•
	EN 1504-2 Principles MC - IR EN 998-1	EN 1504-2 Principles MC - IR EN 998-1	EN 1504-2 Principles MC - IR EN 998-1	EN 1504-2 Principles MC - IR	EN 1504-2 Principles MC - IR EN 1504-3 (R2)	EN 1504-2 Principles MC - IR EN 1504-3 (R2)	EN 1504-2 Principles MC - IR EN 1504-3 (R2) Emicode EC1 R Plus	EN 1504-2 Principles MC - IR EN 1504-3 (R4) Emicode EC1 R Plus
	•	•	•	•	•	•	•	•
	•	•		•	•	•	•	•
	•	•	•	•	•	•	•	•
				•				
	•	•	•				•	•
						•		
					•	•		
	•	•	•					

BONDING AND SEALING

			1-component **acetic silicone sealants**		1-component **acrylic sealants**		1-component **sealants of other formulations**
			Mapesil Z Plus	*Mapesil AC*	*Mapeflex AC4*	*Mapeflex AC-P*	*Mapetape*
sealing	**external use**	depuration plants					
		production areas					
		storage tanks					
		safety basins					
		channels					
		airports					
		road joints					
		car parks					
		terraces and floor slabs		■			●
		tiled surfaces		●			
		external courtyards					
		swimming pools		●			
		cracks and splits			●	●	●
		fillets between different materials	■	■	■	■	■
		roofs and coverings					●
		metalwork					●
		ventilated façades					■
		façade joints					
		refractory grout					
		high temperatures joints					
		fire-break joints					
		fillets for glass/window and door wares	●	●			
		fillets for window and door wares/wall encasements			■	■	
	internal use	structural joints					
		cracks and splits			●	●	
		joints in industrial floors					
		joints in civil floors		●			
		fillets for sinks/kitchen worktops	●	●			
		fillets for walls/kitchen worktops	●	●			
		fillets for stone tiles					
		fillets between tiles	■	●			
		fillets for sanitary wares	●	●			
		fillets for glass/window and door wares	●	●			
		fillets for window and door wares/wall encasements			■	■	
		fillets for roller blind/wall encasements			●		
bonding		stairway coatings					
		kitchen worktops					
		decorative panels					
		insulating panels					
		decorative profiles and ceiling roses					
		window sills and parapets					
		base-boards and doorsteps					
		signposts					
		bird deterrents					
		bathroom accessories					
		tiles					
		beading					
		cable runs					
		skirting boards					
		heavy objects					
		rapid bonding					

● = Ideal ■ = Suggested

1-component **polyurethane sealants**		1-component **neutral silicone sealants**		1-component **hybrid sealants**
Mapeflex PU45 FT	*Mapeflex PU50 SL*	*Mapesil GP*	*Mapesil LM*	*Mapeflex MS45*
	■			
■				■
■	■			■
■	■			■
	●			
■	●			■
●	■			●
■		■		■
●	■			●
●		■	■	●
●		■	●	●
■		●		■
■		●		■
●		■	●	●
■		■	●	■
		■	■	
●		■	●	●
■	■	■	●	■
●	■			●
●	■			●
●	■		■	●
		■	●	
		■	●	
			●	
		■	●	
		●	●	
		■	■	
●			●	●
●				●
●				●
●				●
●				●
●				●
●				●
●				●
●				●
●				●
●				●
●				●
●				●

WATERPROOFING

	Horizontal and vertical surfaces	Fillets	Joints	Cross-members
BATHROOMS and DAMP ENVIRONMENTS				
Mapelastic	●			
Mapelastic Smart	●			
Mapelastic AquaDefense	●			
Mapegum WPS	●			
Mapeband		●	●	●
Mapeband PE 120		●	●	●
SWIMMING POOLS				
Mapelastic	●			
Mapelastic Foundation	●			
Mapelastic Smart	●			
Mapeproof Swell				●
Mapeband		●	●	
Mapeband TPE			●	
BALCONIES and TERRACES				
Aquaflex Roof*	●			
Aquaflex Roof HR*	●			
Mapelastic	●			
Mapelastic Smart	●			
Mapelastic AquaDefense	●			
Mapenet 150	●			
Mapetex Sel	●			
Mapeband		●	●	
Mapeband SA		●		
Mapeband TPE			●	
Mapeproof Swell				●

* = Exposed waterproofing layers

	Plateau	Post-cast walls	Pre-cast walls	Reinforced concrete walls with negative lift	Brick walls with negative lift	Lift shaft	Pile heads	Structural joint	Construction joint	Through bodies
UNDERGROUND STRUCTURES										
Mapeproof	●	●	●			●	●			
Mapeproof Swell				●		●	●			●
Idrostop						●			●	●
Mapeband		●							●	
Mapeband TPE								●	●	
Idrostop PVC BI-BE ME		●		●		●		●	●	
Idrosilex						●				
Planiseal 88 *(former Idrosilex Pronto)*		●		●	●	●				
Mapelastic Foundation		●		●	●	●				
Lamposilex				●		●			●	●
Resfoam 1KM	●	●	●			●				

● After carrying out the render with PLANITOP HDM MAXI.

■ Ideal
■ Possible

PROBLEMS	Consolidating "rubble masonry" and masonry in general where there are internal cracks, gaps and cavities by injecting slurries	Reconditioning and consolidating "rubble masonry" and masonry in general by casting or pumping hi-flow mortars	Consolidating foundation elements, pillars, vaulted roofs and arches by injecting slurries	Reconditioning and consolidating foundations, pillars, vaults and arches by casting hi-flow mortars	Consolidating structures with frescoes or elements of particular historical and artistic interest by injecting slurries	Restoring the adhesion between masonry substrate and render, including the frescoed one by injecting slurries	Consolidating cane-mesh vault injecting slurries	"Stitching" fractures, wall bays, angle joints, etc.	"Touching-up" and "plumbing" operations	Scratch-coats on weak and/or porous masonry before applying transprirant or structural render
Mape-Antique I Super-fluid injection slurry	■		■					■ (+ steel rods, MAPEROD or CARBOTUBE)		
Mape-Antique I-15 Super-fluid injection slurry	■		■					■ (+ steel rods, MAPEROD or CARBOTUBE)		
Mape-Antique F21 Super-fluid injection slurry	■		■		■	■	■	■ (+ steel rods, MAPEROD or CARBOTUBE)		
Mape-Antique LC Binder for mortar									■ (+ aggregates)	
Mape-Antique Rinzaffo Scratch-coat mortar										■
Mape-Antique CC Dehumidifying render									■	
Mape-Antique MC Dehumidifying render									■	
Mape-Antique MC Macchina Dehumidifying render										
Mape-Antique Intonaco NHL Transpirant render										
Mape-Antique Strutturale NHL Structural render									■	
Mape-Antique FC Ultrafine Ultra fine-grained texture plaster										
Mape-Antique FC Civile Fine-grained texture plaster										
Mape-Antique FC Grosso Coarse texture plaster										
Mape-Antique Colabile Hi-flow masonry mortar		■		■						
Mape-Antique Allettamento Masonry and pointing mortar									■	

■ Before applying dehumidifying render (made from MAPE-ANTIQUE LC mixed with aggregates, MAPE-ANTIQUE CC, MAPE-ANTIQUE MC or MAPE-ANTIQUE MC MACCHINA, aalways apply a layer of MAPE-ANTIQUE RINZAFFO, around 5 mm thick.

Site-mixed dehumidifying render with locally-sourced aggregates	Application of dehumidifying render	Application of transpirant render	Application of "reinforced" structural render	Skimming dehumidifying, transpirant and structural render	Building and/or rebuilding facing walls with site-mixed masonry mortar with locally-sourced aggregates	Building and/or rebuilding facing walls with free-flowing masonry mortar	Building stone, brick tuff and mixed masonry	Pointing masonry joints on "exposed" masonry	Making "reinforced" joints or installation mortar	Evening out external faces of vaulted roofs	Making reinforced "caps" on the external face of vaulted roofs
(+ aggregates)					(+ aggregates)			(+ aggregates)			
			(+ MAPENET EM 40 or zinc-plated mesh)						(+ steel rod or MAPEROD)		(+ MAPENET EM 40 or zinc-plated mesh)

MAPEI

ITALY

MAPEI SpA

HEAD OFFICE
Via Cafiero, 22
20158 Milan (Italy)
Tel. +39-02-37673.1
Fax +39-02-37673.214
www.mapei.com
mapei@mapei.it

PLANTS
• Strada Provinciale, 159
20060 Robbiano di Mediglia (Milan)
Tel. +39-02-906911
Fax +39-02-90660575
• Via Mediana S.S. 148 km 81,3
04100 Latina
Tel. +39-0773-2548
Fax +39-0773-250391

DISTRIBUTION CENTRE IN SASSUOLO
Via Valle D'Aosta, 46
41049 Sassuolo (Modena)
Tel. +39-0536-803116
Fax +39-0536-805255

OFFICE IN ROME
Viale Libano, 28 - 0144 Rome
Tel. +39-06-5929211
Fax +39-06-59290337

OFFICE IN LECCE
Via Adriatica, 2 B
(angolo viale Porta d'Europa)
73100 Lecce
Tel. +39-0832-246551
Fax +39-0832-248472
ufficio.lecce@mapei.it

EUROPE

AUSTRIA
Mapei Austria GmbH
Fräuleinmühle 2
A - 3134 Nußdorf ob der Traisen
Tel. +43-2783-8891
Fax +43-2783-8893
www.mapei.at
office@mapei.at
Plant in Nußdorf ob der Traisen
Distribution centre in Vienna,
Hall in Tirol, Graz and Klagenfurt

BELGIUM and LUXEMBOURG
Mapei Benelux SA/NV
Zoning Industriel - Rue de l'Avenir, 40
B - 4460 Grâce-Hollogne
Tel. +32-4-2397070 - Fax +32-4-2397071
www.mapei.be
mapei@mapei.be

BULGARIA
Mapei Bulgaria E.O.O.D.
Business Park Mladost 4
Building 8A, floor 6
1766 Sofia, Bulgaria
Tel. +359 (2) 4899775
Fax +359 (2) 4898723
www.mapei.bg
Plant in Ruse

CROATIA
Mapei Croatia d.o.o.
Purgarija 14 - Kerestinec
10431 Sveta Nedelja
Tel. +385-1-3647790
Fax +385-1-3647787
www.mapei.hr
mapei@mapei.hr

CZECH REPUBLIC
Mapei spol. s r.o.
Smetanova 192/33 - 779 00
Olomouc - Hodolany
Tel. +420-585-201-151
Fax +420-585-227-209
www.mapei.cz
info@mapei.cz

DENMARK
Mapei Denmark A/S
Park Allè 14
6600 Vejen - Denmark
Tel. +45-69 60 74 80
www.mapei.dk
post@mapei.dk

FINLAND
Mapei OY
Tilinmäentie 1
02330 Espoo - Finland
Tel. +358 8678900
info@mapei.fi
www.mapei.fi

FRANCE
Mapei France S.A.
Zone Industrielle du Terroir
CS 40021
29, Avenue Léon Jouhaux
31140 Saint-Alban
Tel. +33-5-61357305
Fax +33-5-61357314
www.mapei.fr
mapei@mapei.fr
Plants in in Saint-Alban,
Montgru Saint-Hilaire and Saint-Vulbas

GERMANY
Mapei GmbH
IHP Nord - Bürogebäude 1
Babenhäuser Straße 50
63762 Großostheim
Tel. +49-6026/50197-0
Fax. +49-6026/50197-48
www.mapei.de
info@mapei.de
Plant in in Weferlingen

GREECE
Mapei Hellas SA
Thesi Dimosies Ritsona-Euvoia
P.O. Box 19243 - 34100 Chalkida
Tel. +30-22620-71906
Fax +30-22620-71907
www.mapei.gr
mapeihellas@mapei.gr
Plant in Ritsona

HUNGARY
Mapei Kft.
Sport utca 2. - 2040 Budaörs
Tel. +36-23-501670 - Fax +36-23-501666
www.mapei.hu - mapei@mapei.hu
Plant in Sóskút

NORWAY
Mapei AS
Vallsetvegen 6 - 2120 Sagstua
Tel. +47-62-972000
www.mapei.no - post@mapei.no
Plant in Sagstua

POLAND
Mapei Polska Sp.z o.o.
ul. Gustawa Eiffel'a 14,
44-109 Gliwice
Tel. +48-32-7754450
Fax +48-32-7754471
Commercial office:
ul. Chałubińskiego 8
00-613 Warsaw
Tel. +48-22-5954200
Fax +48-22-5954202
www.mapei.pl - info@mapei.pl
Plants in Gliwice and Barcin

PORTUGAL
Lusomapei S.A.
Business Parque Tejo XXI
Estrada Nacional 1 - Km 29, Gelfas
2600-659 Castanheira do Ribatejo
Tel. +351 263 860 360
Fax +351 263 860 369
www.mapei.pt
geral@mapei.pt
Plant in Anadia

ROMANIA
Mapei Romania SRL
22 Tudor Vladimirescu Blvd,
Green Gate Building, 6th floor, Sector 5
Bucharest, Romania
Tel. +40 21 311 78 19/20
Fax +40 21 311 78 21
www.mapei.ro
office@mapei.ro

RUSSIAN FEDERATION
ZAO Mapei
Derbenevskaya nab., 7,
building 4, 3-d floor Moscow
115114 Russian Federation
Tel. +7-495-258-5520
Fax +7-495-258-5521
www.mapei.ru
info@mapei.ru
Plants in Stupino (Moscow region),
Aramil (Ekaterinburg region) and Kikerino
(S. Petersburg region)
Representative office in Almaty (Kazakhstan)

SERBIA
MAPEI SRB d.o.o.
Save Kovačevič b.b. - 11309
Leštane, Beograd
Tel.: +381 (0)11 8036 150
Fax: +381 (0)11 8036 285
www.mapei.rs
office@mapei.rs
Distribution Centre in Leštane (Beograd)

SLOVAK REPUBLIC
Mapei SK s.r.o.
Nádražná 39, 900 28
Ivanka pri Dunaji
Tel. +421-2-4020 4511
Fax +421-2-2091 0846
www.mapei.sk
office@mapei.sk

SLOVENIA
Mapei doo
Kočevarjeva 2 - 8000 Novo mesto
Tel. +386-1-7865050/51
Fax +386-1-7865055
www.mapei.si
mapei@mapei.si
Distribution centre in Grosuplje

SPAIN
Mapei Spain SA
C/Valencia 11 - Pol. Ind. Can Oller
08130 Santa Perpetua de Mogoda
(Barcellona)
Tel. +34-93-3435050
Fax +34-93-3024229
www.mapei.es
mapei@mapei.es
Plants in Amposta (Tarragona)
and Cabanillas del Campo (Guadalajara)
Distribution Centres in Onda (Castellón)
and Marratxi (Mallorca)

SWEDEN
Mapei AB
Smidesvägen 10, 6 tr.
17141 Solna
Tel. +46-8-52509080
www.mapei.se
info@mapei.se

SWITZERLAND
Mapei Suisse SA
Rte. Principale 127 CP 53
1642 Sorens / FR
Tel. +41-26-9159000
Fax +41-26-9159003
www.mapei.ch
info@mapei.ch
Plant in Sorens

THE NETHERLANDS
Mapei Nederland B.V.
Twentepoort Oost 27
7609 RG Almelo
Tel. +31-546-836040
Fax +31-546-836044
www.mapei.nl
mapei@mapei.nl

TURKEY
Mapei Yapı Kimyasalları
İnş. San. ve Tic. A.S.
Ümit Mah. 2527. Sok. No:10/1-2
Töyko Bölgesi Ümitköy
Ankara-Turkey
Tel. +90 312 227 84 84
Fax +90 312 227 84 80
www.mapei.com.tr
info@mapei.com.tr
Plant in Polatlı (Ankara)

UKRAINE
Mapei Ukraine LLC
02002, Kiev
13, E. Sverstiuka (M. Raskova) str., 5th floor
Tel. +38-044-221-15-01, 221-15-02
Fax +38-044-393-14-52
www.mapei.ua
office@mapei.ua
Distribution centre in Zazimje village, 6,
Radgospana str.

UNITED KINGDOM
Mapei U.K. Ltd
Mapei House - Steel Park Road
Halesowen - West Midlands B62 8HD
Tel. +44-121-5086970
Fax +44-121-5086960
www.mapei.co.uk
sales@mapei.co.uk
Plant in Halesowen

ASIA AND OCEANIA

AUSTRALIA
Mapei Australia Pty Ltd
180 Viking Drive
Wacol Qld 4076
Tel. +61-7 3276 5000
Fax +61-7 3276 5076
www.mapei.com.au
sales@mapei.com.au
Plant in Wacol

CHINA
Mapei Construction Materials (Guangzhou) Co. Ltd.
Room 2003-4,
Hong Fu Loi International Building,
No. 313, Yan Jiang Zhong Road,
Guangzhou, China 510110
Tel. (86-20) 8365 3489
Fax (86-20) 8365 3481
www.mapei.com.cn
enquiry@mapei.com.cn
Plant in Conghua (Guangzhou)

HONG KONG S.A.R.
Mapei China Ltd
9th Floor Linkchart Centre, 2 Tai Yip Street,
Kwun Tong, Kowloon, Hong Kong
Tel. +852-21486816
Fax +852-25121328
www.mapei.com.hk
mapei@mapei.com.hk

INDIA
Mapei Construction Products India Pvt Ltd
402, 3rd Floor, Tudor Court
No. 40, Lavelle Road, Bangalore, 560 001
Tel. +91 80 2222 1820, 2222 1840
Fax +91 80 2222 1810
www.mapei.co.in
Infoindia@mapei.co.in
Plants in Bangalore and Vadodara
Offices in Mumbai and New Delhi

INDONESIA
PT MAPEI Indonesia Construction Products
Jl. Meranti Blok L1 no. 6
Delta Silicon 1 Industrial Estate
Lippo Cikarang - Bekasi 17550
Tel. +622189906029
Fax +622189906052
Plant in Lippo Cikarang - Bekasi

KOREA
Mapei Korea Ltd.
121-914, 14F Office Bldg.
361 Worldcup-bukro, Mapo-gu, Seoul
Tel. +82-2-6393-2300
Fax. +82-2-6393-2323
www.mapei.co.kr
mapei@mapei.co.kr
Plant in Jincheon (Chungcheongbuk-do)

MALAYSIA
Mapei Malaysia Sdn Bhd
D3A-10, Block D3A, Dana 1 Commercial Centre, Jalan PJU 1A/46, Petaling Jaya,
47301 Selangor D.E. Malaysia
Tel. +603-7842 9098
Fax: +603-7842 6197
www.mapei.com.my
mapei@mapei.com.my
Plant in Nilai

NEW ZEALAND
Mapei New Zealand Ltd
30 Fisher Crescent - Mt. Wellington
Auckland, New Zealand
Tel. +64-9-9211994
Fax +64-9-9211993
www.mapei.co.nz
enquiries@mapei.co.nz

PHILIPPINES
Mapei Philippines Inc.
2nd Floor, Admin Building, Annex 2,
East Main Avenue,
Laguna Technopark, Sta. Rosa Laguna,
Philippines 4026
Tel. +63 49 544-5510
admin.ph@mapei.com.hk

QATAR
Mapei Doha LLC
Office 207 - 2nd Floor, Regus Building,
D-Ring Road - Doha, Qatar
Tel. +974 4 423 1308
Fax +974 4 423 1100
www.mapei.qa
info@mapei.qa

SINGAPORE
Mapei Far East Pte Ltd
28, Tuas West Road - Singapore 638383
Tel. +65-68623488
Fax +65-68621012 / 68621013
www.mapei.com.sg
mapei@mapei.com.sg
Plant in Singapore

UNITED ARAB EMIRATES
Mapei Construction Chemicals L.L.C
Building No. 5 - 2nd Floor
Green Community, Dubai Investment Park
P.O. Box 73869, Dubai, UAE
Tel. +971 4 815 6666
Fax +971 4 815 6655
www.mapei.ae
info@mapei.ae
Plant in Dubai

VIETNAM
Mapei Vietnam Ltd
Plot 8, Street No. 4,
Northern Part of Chu Lai I.Z.
Tam Hiep Commune, Nui Thanh District,
Quang Nam Province - Vietnam
Tel. (84-510) 3565 801-7
Fax (84-510) 3565 800
Branch in Hanoi Capital:
Tel. (84-4) 3928 7924-6
Fax (84-4) 3824 8645
Branch in Danang City:
Tel. (84-511) 3565 001-4
Fax (84-511) 3562 976
Branch in Ho Chi Minh City:
Tel. (84-8) 3512 1045 or 3899 2845
Fax (84-8) 3899 2842
www.mapei.com.vn
mapeihn@mapei.com.vn
Plant in Chu Lai
(Quang Nam Province)

THE AMERICAS

ARGENTINA
Mapei Argentina SA
Ruta Panamericana (RN9) km 51
Colectora Este - Escobar - Buenos Aires
Tel./Fax +54 (348) 443-5000
www.mapei.com.ar
Plant in Buenos Aires

BRASIL
Mapei Brasil Materiais de Construção, LTDA
Avenida Paulista, 1636 cj 508 - Bela Vista
CEP 01310-200 - São Paulo - SP Brazil
Tel. +55 11 3386-5151
www.mapei.com.br - info@mapei.com.br

CANADA
Mapei Inc.
2900 Francis-Hughes Avenue
Laval, QC H7L 3J5
Tel. +1-450-662-1212 - Fax +1-450-662-0444
www.mapei.ca
Plants Brampton (ON), Delta (BC), Laval (QC), Maskinongé (QC)
Distribution centre in Calgary (AB)

COSTA RICA
Mapei Costa Rica
Rohrmoser, Costado Este Plaza Mayor. Galerías
Rohrmoser Local 26 - San José - Costa Rica
www.mapei.com

MEXICO
Mapei de Mexico, S.A. DE C.V.
Pirineos 515, Bodega 45
Microparque Santiago, Zona Ind. Benito Juarez
Queretaro, Qro. CP 76128
Tel. (442) 209-5022 and 24.
(442) 209 52 21 and 209 53 18
0-1-800-696-2734
www.mapei.mx - infomix@mapei.com

PANAMA
Mapei Construction Chemicals Panama S.A.
Vía Transístmica, contiguo a la casa de cita Paris - Panama City
Tel./Fax +507 261 9549/50
Plant in Panama City
www.mapei.com
mapeipanama@mapei.com.pa

PERÙ
Mapei Perù SAC
Head quarter: Lot 1-C2 Sublot B-1,
Warehouse#4, fronting at Clle Los Eucaliptos of Santa Genoveva Section,
District of Lurin, Lima.
Avenida Reducto 1310 Piso 7, Miraflores - Lima 18, LIMA - Peru
Tel./Fax +511 240 6139
mapei.com.pe

PUERTO RICO
Mapei Caribe Inc.
Road 2, km 26.2 BO. Espinosa
Dorado, Puerto Rico 00646
Tel. (787) 270-4162 - Fax (787) 883-1669
www.mapei.com.pr
Plants in Dorado and Vega Baja

U.S.A.
Mapei Corporation
1144 East Newport Center Drive
Deerfield Beach, Florida 33442
Tel. +1-954-246-8888 - Fax +1-954-246-8800
Internet: www.mapei.us
Plants in Dalton (GA), Eagan (MN), Fort Lauderdale (FL), Fredericksburg (VA), Garland (TX), Logan Township (NJ), Madison (IL),San Bernardino (CA), Swedesboro (NJ) Tempe (AZ)
Distribution centres in Chicago (IL), Garland (TX), Grimes (IA), Kansas City (KS) and Lansing (MI)

VENEZUELA
Mapei de Venezuela CA
Calle Orinoco Torre D&D Lc 11-12 PB
Urbanización Las Mercedes
Caracas, Venezuela 1060
Tel. +58-212-991-1797 - +58-212-991-9423
Fax +58-212-991-7623
www.mapei.com.ve
mapeivenezuela@hotmail.com
Plant in Cagua Estado Aragua

AFRICA

SOUTH AFRICA
Mapei South Africa (Pty) Ltd
50 Smith Road, Roodekop
Germiston, 1041.
Johannesburg, South Africa
Tel. +27-11-5528476
Fax +27-11-5528449
www.mapei.co.za
info@mapei.co.za
Plant in Germiston

C.P. MK 014 (UAE) 05/17

HEAD OFFICE
MAPEI S.p.A.
Via Cafiero, 22 - 20158 Milan
Tel. +39-02-37673.1
Fax +39-02-37673.214
Internet: www.mapei.com
E-mail: mapei@mapei.it

UNITED ARAB EMIRATES
MAPEI CONSTRUCTION CHEMICALS LLC
P.O. Box: 73869, Dubai - United Arab Emirates
Tel. +971-4-815 6666
Fax +971-4-815 6655
Internet: www.mapei.ae
E-mail: info@mapei.ae

QATAR
MAPEI DOHA LLC
P.O. Box: 32522, Doha - Qatar
Tel. +974-4423 1308
Fax +974-4423 1100
Internet: www.mapei.qa
E-mail: info@mapei.qa