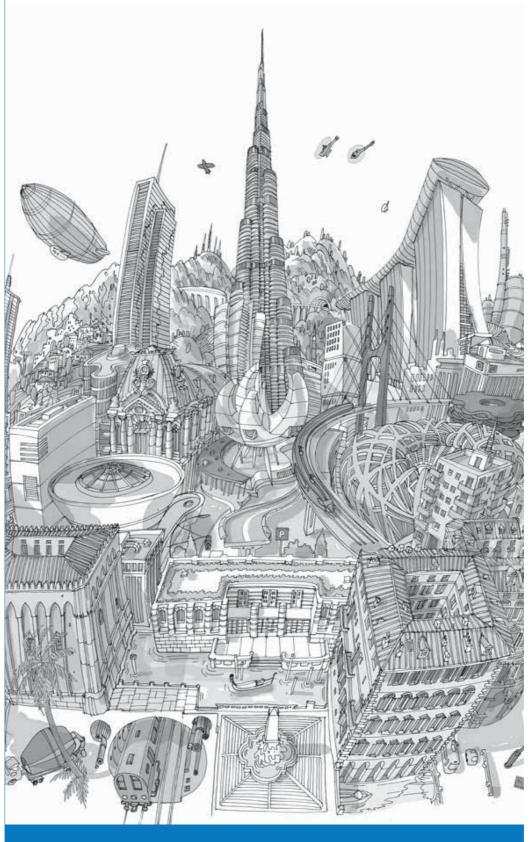
CERAMIC TILING GUIDE



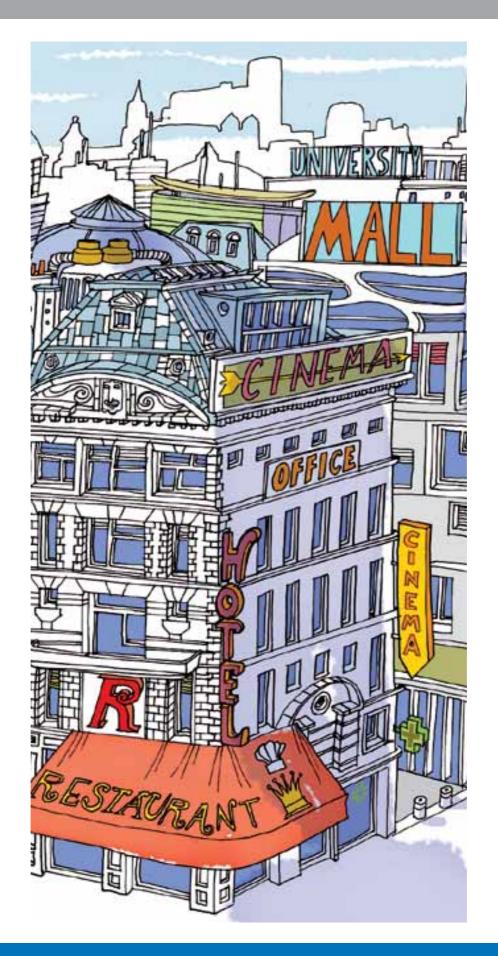




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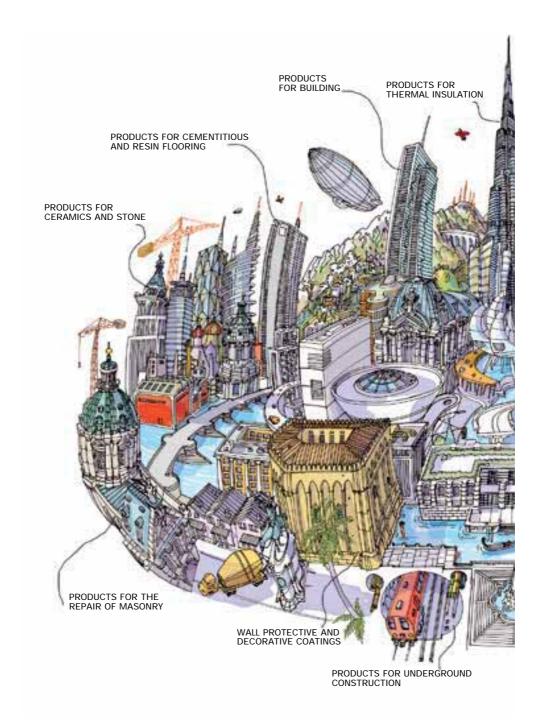
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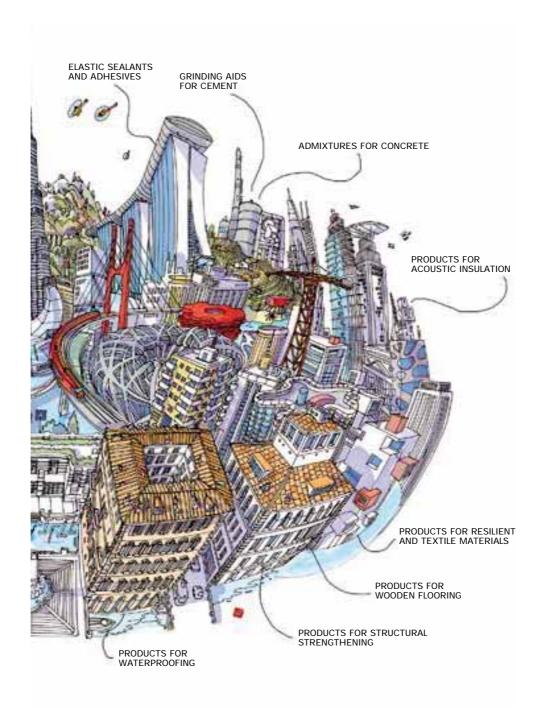
The World of



Transforming a world of project







dreams and visions into reality



Certification-proof

Mapei's technologically advanced products, certified according to the most strict and demanding international standards, have always played a major part in the design and creation of large building projects, representing Italian excellence all around the world. Safe products for the environment, workers and end users.



No need for greenwashing

To develop eco-sustainable products, you cannot wash them green. You have to invest in research and have your products certified by internationally recognised institutions.

Mapei's long-lasting commitment to the environment results in plenty of products which have been awarded international certifications and contribute to achieving eco-sustainable buildings.



Certification-proof

No need for greenwashing. You have to believe, invest in research and have your products certified by official, internationally recognised organisations to create eco-sustainable projects. Mapei does not invent certification; it is awarded to Mapei all over the world.







Choose Mapei for your eco-sustainable projects.

More than **150 MAPEI products** to help designers and contractors create **innovative LEED projects** which comply with the Green Building Council. **LEED** The Leadership in Energy and Environmental Design.



CERTIFIED QUALITY AND COMMITMENT TO THE ENVIRONMENT

MAPEI IS A GUARANTEE OF THE QUALITY, ENVIRONMENT AND SAFETY MANAGEMENT SYSTEM IN ACCORDANCE WITH THE STANDARDS ISO 9001, ISO 14001, EMAS AND OHSAS 18001





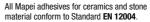
Mapei SpA, since 1995 has enforced the **Quality System** certified according to **UNI ISO 9001.** The program also entailed the ISO 9001 certification of many other subsidiaries in the Group including UK in 2010.

Mapei Group's main production and distribution centres enforce the Environmental Management System in accordance with the ISO 14001 is atnadard. UK plant achieved ISO 14001 in 2011 and OHSAS 18001 in 2012.

MAPEI ADHESIVES AND GROUTS FOR CERAMIC TILES AND STONE MATERIALS, PRE-BLENDED MORTARS FOR SCREEDS AND FOR REPAIRING CONCRETE, ECO ADHESIVES AND ADMIXTURES FOR CONCRETE ARE CE MARKED AND CERTIFIED IN COMPLIANCE WITH THE MOST STRINGENT EUROPEAN AND INTERNATIONAL STANDARDS



ADHESIVE AND GROUTS FOR CERAMIC TILES





All Mapei grouting mortars for ceramics and stone material conform to Standard **FN 13888**





PRE-BLENDED MORTARS FOR SCREEDS AND SMOOTHING SURFACES

Mapei pre-blended mortars for screeds and smoothing surfaces comply with EN 13813 standard and have been\ awarded the CE mark in compliance with EN 13813, Annex ZA.





BioBlock®

This Mapei technology blocks various types of mould from forming and proliferating in humid conditions.



DropEffect®

Mapei technology based on the use of special hydrophobic additives, to obtain water-repellent surfaces, less prone to dirtiness and with excellent durability.

Certification of Mapei's products and systems for Quality, Environmental Management and Health and Safety have been issued by official standards bodies, accredited and recognised at international level.



...beyond apparent sustainability



EMAS (Environmental Management and Audit Scheme) is the EU environmental management system in accordance with the CE 761/01 regulation.



Mapei takes part in the global Responsible Care initiative developed by the chemical industry for the chemical industry, and every year publishes an Environmental Declaration for each facility.



In the year 2000 the plant of Robbiano di Mediglia (Milan) obtained the certification of its occupational health and safety management system in accordance with the OHSAS 18001 standard, as well as the Certificate of Excellence that attests to its compliance with the requirements of the ISO 9001, ISO 14001, OHSAS 18001 standards and of CE 761/01 (EMAS) Regulation.



ADHESIVES FOR RESILIENT, TEXTILE, WOOD AND CERAMIC













FLOORS AND COATINGS

Since October 2005, Mapei's Eco range of products, previously tested by qualified international institutes such as the German Institute TFI-Teppich Forschungsinstitut (carpet research institute) and CRI (the American Carpet and Rug Institute), have been certified and labelled **EMICODE EC1** "very low emission level of volatile organic compounds" and EC1 Plus "very low emission level of volatile organic compounds-Plus", recognised by GEV. The certification of these products was recently widened to include Der Blaue Engel (Blue Angel), a German ecological label which identifies products which respect the environment, floor layers and end users.



MORTARS FOR RENDER

Mapei mortars for render have been awarded the ${\it CE}$ mark in compliance with ${\it EN}$ 998 standard.



PRODUCTS AND SYSTEMS FOR PROTECTING AND REPAIRING CONCRETE

Mapei products and systems for protecting and repairing concrete structures have been awarded the CE mark in compliance with EN 1504 standard.



ADMIXTURES FOR CONCRETE

Mapei plasticizers and superplasticizers for mortars and concrete have been awarded the CE mark in compliance with EN 934-2 and 934-4 standards.



Low Dust

Mapei's Low Dust technology reduces dust emissions during the mixing, working and application phases of powdered products by 90%, with advantages particularly for the environment and the health of installers.



More than 150 MAPEI products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.

LEED - Leadership in Energy and Environmental Design

Certification developed by the US Green Building Council for the design and construction of eco-compatible buildings.

























SCREEDS

SCREEDS



Topcem

Special fast drying, normal setting cement for the preparation of shrinkage controlled screeds. For the formation of bonded, unbonded, floating and heated screeds on new or existing substrates. Suitable for interior and exterior use, Topcem mixed with suitably graded aggregates and water, hardens within 24 hours, shortening project times significantly. Install ceramic tiles after just 24 hours. Install stone materials after just 2 days. Install resilient and wood materials after only 4 days.



Mapecem

Special fast-setting cement for the preparation of fast-drying screeds (24 hours) with controlled shrinkage. For the formation of bonded, un-bonded, floating and heated screeds on new or existing substrates for the installation of moisture sensitive flooring or any other type of flooring where fast-drying screeds are required. Mix with graded aggregates and water. Install ceramic tiles and natural stone materials after just 3 hours. Install agglomerate stone, resilient and wood materials after only 24 hours.

Recommended mixing ratio: 200 - 250 kg of TOPCEM with 1 m³ of aggregates (diameter from 0 to 8 mm) and 110 - 130 kg of water for dry aggregate.

Workability time: 40 - 60 minutes. Set to light foot traffic: after 12 hours.

Waiting time before applying floor finish: 24 hours for ceramic tiles, 2 days for natural stone and 4 days for agglomerate stone, resilient and wood flooring.

Moisture level after 4 days: less than 2% w/w.

Storage: 12 months.

Application: pump or hand.

Consumption: 2 - 2.5 kg/m² per cm of thickness.

Packaging: 20 kg bags.

N.B. Use in combination with PLANICRETE and water to produce a slurry for bonded screeds up to 50 mm.

TECHNICAL DATA:

Install resilient and wood materials after only 24 hrs. **Recommended mixing ratio:** 350-450 kg of MAPECEM for 1 m³ of aggregates (diameter from 0 to 8 mm) and with 80 - 160 kg of water dependent on the moisture content of the aggregate.

Workability time: 20 - 30 minutes. Set to light foot traffic: after 2 - 3 hours. Waiting time before applying floor finish:

- 3 hours for ceramic tiles and natural stone material;
- 24 hours for agglomerate stone, resilient and wood flooring.

Moisture level after 24 hours: less than 2% w/w.

Storage: 12 months. **Application:** pump or hand.

Consumption: 3.5 - 4.5 kg/m² per cm of thickness.

Packaging: 20 kg bags.

N.B. Use in combination with PLANICRETE for bonded screeds.



PRIMERS

PRIMERS



Primer G

Water-based synthetic resin primer for treating gypsum or anhydrite substrates prior to installing ceramic tiles or stone material with cementitious adhesives. PRIMER G has very low emissions of VOC. For general dust suppression and reducing the absorption of very porous substrates. Suitable for use on absorbent substrates only e.g. screed, plasterboard, plaster, plywood.



Eco Prim T

Water-based, solvent free acrylic primer for interior use. Suitable for priming gypsum walls and suitably prepared calcium sulphate screeds. Ideal for priming before the installation of MAPEI levelling compounds. Very low VOC. Suitable for use on both absorbent and non-absorbent substrates.



Eco Prim Grip

Multi-purpose water-based adhesion promoting primer for use on both absorbent and non-absorbent substrates such as render, plywood, plaster, existing paint and old ceramic tiles. Provides an exceptional key and high grip surface. Extremely low VOC. For interior and exterior use. For use prior to the installation of ceramic tiles or beneath Mapei levelling compounds.





Consistency: liquid.

Colour: blue.

Dilution rate: neat or from 1:1 to 1:3 with water dependent on the absorption of the substrate. Drying time: 2 hours dependent on the dilution rate

and the absorption of the substrate.

Application: brush or roller.

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

Consumption: 0.1-0.2 kg/m².

Packaging: 25, 10 and 5 kg drums, 1 kg bottles and

12x1 kg boxes.





TECHNICAL DATA:

Consistency: liquid.

Colour: white.

Dilution rate: neat on non-absorbent surfaces, 1:1 or 1:2 on absorbent surfaces (1:2 on anhydrite screeds).

Waiting time before applying smoothing

compounds: 2-5 hours dependent on the surrounding

conditions and the absorption of the substrate. EMICODE: EC1 Plus - very low emission.

Storage: 24 months.

Application: roller or brush. **Consumption:** 0.10-0.20 kg/m². Packaging: 20 and 5 kg drums.





TECHNICAL DATA:

Consistency: creamy liquid.

Colour: grev.

Waiting time before applying smoothing compounds/adhesives: 30 minutes.

EMICODE: EC1 Plus - very low emission.

Storage: 24 months.

Application: roller or brush (Stir before use).

Consumption: 0.20-0.30 kg/m². Packaging: 10 and 5 kg tubs.

N.B. Not recommended for use with calcium sulphate screeds or highly absorbent substrates such as open textured sand:cement screeds, aerated concrete.



LEVELLING COMPOUNDS

LEVELLING COMPOUNDS



Ultraplan Eco

Ultra-fast hardening, self-levelling and smoothing compound for differences in thickness of 1-10 mm per coat. Very low VOC content. For the interior levelling of new or existing substrates that are dry and not subject to rising damp, to receive all types of floor coverings where maximum resistance to loads and traffic is required, can be trowel or pump applied. Suitable for underfloor heating.



Ultraplan Maxi

Ultra-fast hardening, self-levelling and smoothing compound for differences in thickness of 3-30 mm per coat. For the interior levelling of new or existing substrates, to receive all types of floor finishes where heavy duty resistance to loads and traffic is required. Suitable for use with underfloor heating systems. Very low emissions of VOC.



Ultraplan Renovation Screed

A fibre reinforced self levelling compound designed for use in the refurbishment of floors in commercial and domestic applications. Used for interior smoothing and levelling from 3 to 30 mm on new or existing concrete, screeds, stone, terrazzo and ceramic tiles, old & new timber floors, floor boards, chipboard panels, plywood and parquet. Suitable for chairs with castors and underfloor heating systems.





Consistency: fine powder.

Colour: grey.

Pot life: 20-30 minutes. Setting time: 45-60 minutes. Set to light foot traffic: 3 hours

Waiting time before installation: 12 hours. **Application temperature range:** +5°C to +35°C. Mixing ratio: 24-26 parts water for 100 parts by

weight of ULTRAPLAN ECO.

EMICODE: ECR1 - very low emission.

Storage: 12 months.

Application: with a flat trowel or pump. Consumption: approx 5m² at 3mm thickness.

Packaging: 23 kg bags.









TECHNICAL DATA:

Where to use: internal floors for ceramic, natural

stone, resilient and wooden flooring. Workability time: 30-40 minutes. Thickness applied: from 3-30 mm. **Set to light foot traffic:** approx. 3 hours.

Waiting time before applying floor finishes: from 12 to 24 hours for ceramic tiles and natural stone, from 24 to 72 hours for resilient and wood flooring (dependent

on thickness).

Application: trowel 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.

N.B. All substrates must be dry with a functioning DPM within the subfloor i.e. not subjected to rising damp.







TECHNICAL DATA:

Where to use: refurbishment of existing floors for wood, ceramic, natural stone, resilient and wooden floor finishes.

Workability time: 30-40 minutes. Thickness applied: from 3-30 mm. Set to light foot traffic: 4-5 hours.

Waiting time before applying floor finish: 1-3 days

depending on the thickness.

EMICODE: EC1 - very low emission.

Colour: grey.

Storage: 12 months in original packaging in a

dry place.

Consumption: approx. 6 m² at 3 mm thickness.

Packaging: 25 kg bags.

N.B. All substrates must be dry with a functioning DPM within the subfloor i.e. not subjected to rising damp.

LEVELLING COMPOUNDS



Fiberplan

Fibre-reinforced ultra-fast hardening self-levelling and smoothing compound for thicknesses from 3-10 mm. For smoothing existing and new wooden flooring, wooden boarding, chipboard and plywood where good resistance to loads and traffic is required. Suitable for underfloor heating. Also suitable for conventional substrates such as screed and concrete.



Latexplan Trade Fast

Latexplan Trade Fast is used for levelling and smoothing differences in thickness of 3mm to 10mm (in one application) where rapid installation of all types of floor coverings is required on new and existing substrates.

With low odour emissions and a setting time of 30 minutes, Latexplan Trade Fast is an excellent solution for any time constrained project.











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 applying floor finishes: 12-24 hours for ceramic tiles, natural stone, wood and

resilient floor coverings. **Colour:** pinkish grey.

Application: trowel or spiked roller. **EMICODE:** EC1 Plus - very low emission.

Storage: 12 months.

Consumption: 1.6 kg/m² per mm of thickness.

Packaging: 25 kg bags.

N.B. All substrates must be dry with a functioning DPM within the subfloor i.e. not subjected to rising damp.



TECHNICAL DATA:

Where to use: Rapid installation of all types of floor coverings on both new and existing substrates.

Thickness applied: 3mm to 10mm.

Set to light foot traffic: approx. 60 minutes.

Waiting time before applying floor finishes: 2 hours

30 mins to 3 hours.

Colour: comp A: grey; Comp B white.

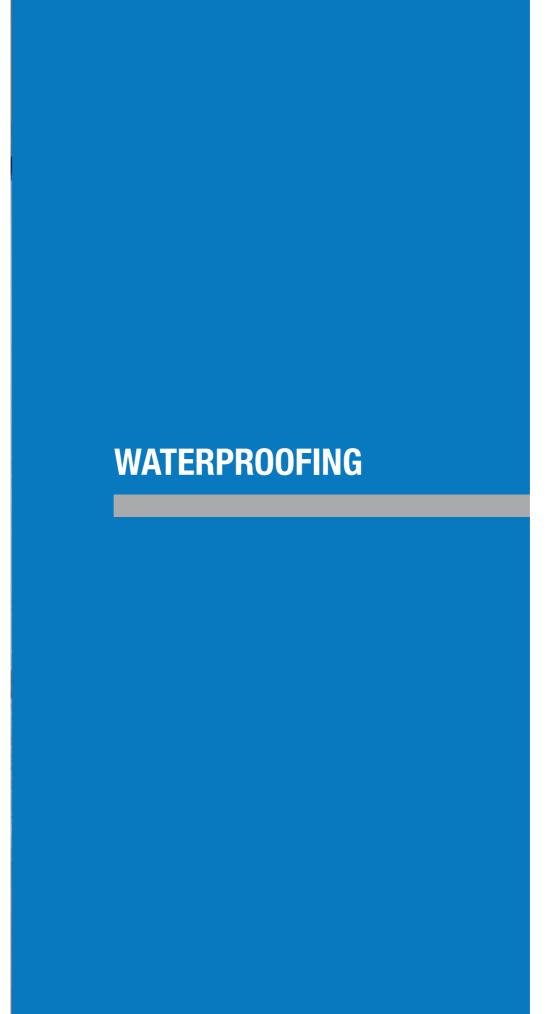
Application: trowel or roller.

Storage: 12 months.

Consumption: One unit (comp A & comp B) will cover

approximately 4.8m² at 3mm thickness. **Packaging:** comp A: 20kg; comp B: 4kg.





WATERPROOFING



Shower Waterproofing Kit

Easy to use kit containing everything required to waterproof a shower in one tub.

Contains:

Mapegum WPS - 5 kg tub
Shower Waterproofing Kit Primer
- 0.5 kg bottle

Waterproofing tape -10 m roll Produces a watertight, flexible, durable membrane to protect against leaks and water damage.



Mapelastic AquaDefense

Ready to use, flexible, ultra rapid drying waterproofing membrane for interior use in showers and wet rooms. Can be tiled after 4 hours. For use on screed, render, concrete, plywood and ceramic finishes. Can be reinforced with Mapetex SEL to provide an antifracture membrane. Produces a watertight, flexible, durable membrane to protect against leaks and water damage.



Mapelastic Smart

Two-component, high flexibility, cementitious mortar applied by brush, roller or spray equipment for waterproofing concrete surfaces such as foundations, retaining walls, balconies, terraces, basins and swimming pools. Suitable for waterproofing concrete, screed, render, plaster, plasterboard, tilebacker boards, concrete blocks and marine or WBP grade plywood. Use in combination with Mapenet 150 reinforcement for improved crack bridging performance. May be used to cover up micro-cracking in concrete or render.

MAPEGUM WPS: **Consistency:** paste. **Storage:** 24 months.

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

Application: roller, brush or trowel. **Waiting time before tiling:** 24 hours.

In service temperature range: from -30°C to +100°C.

Consumption: 1.5 kg/m² per mm of thickness.

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.

Waiting time before tiling: 4 hours.

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: 15 kg & 7.5 kg drums.

Crack bridging (EN 14891 - A.8.2) at +23°C up to 3 mm with Mapetex SEL. (For cracks which may appear post

installation).





TECHNICAL DATA:

Consistency of mix: brushable.

Mixing ratio: comp. A: comp. B = 2:1.

Pot life of mix: approximately 1 hour.

Application temperature range: from +5°C to +40°C. Minimum applicable thickness: 2 mm in 2 coats. Classification: EN 1504-2 - coating (C) principles PI, MC and IR. Impermeable to BS EN 14891-A.7

Storage: 12 months.

Application: brush, roller or spray.

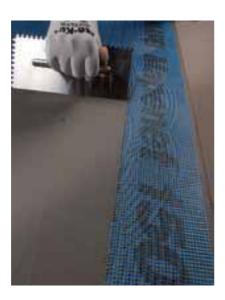
Consumption:

- brush or roller: 1.6 kg/m² per mm of thickness;

- spray: 2.2 kg/m² per mm of thickness.

Packaging: 30 kg kits: 20 kg bags + 10 kg drums.

WATERPROOFING



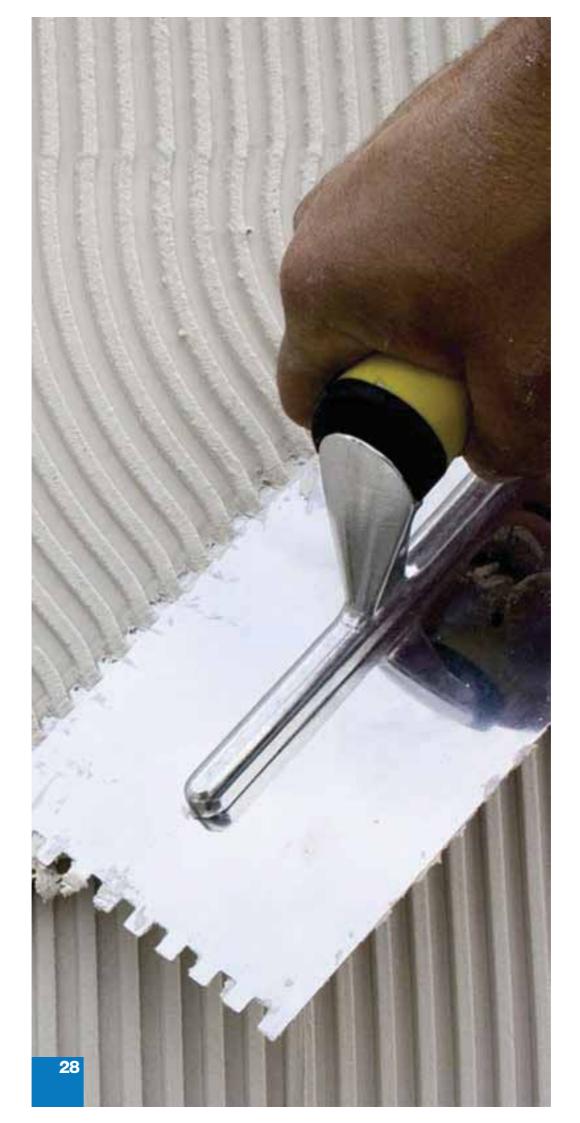
Mapenet 150

Alkali-resistant glass fibre mesh for reinforcing waterproofing membranes such as MAPELASTIC and MAPELASTIC SMART. Blue in colour. Improves the crack-bridging performance of the waterproof membrane.

Colour: blue.
Weight: 150 g/m² ± 5%.
Mesh size: 4 x 5 mm. Storage: unlimited.

Packaging: 50 m x 1 m rolls.

Alkali resistant: to ETAG 004 guidelines.



PASTE ADHESIVES FOR CERAMIC WALL TILING

PASTE ADHESIVES FOR CERAMIC WALL TILING



MapeStik

Ready mixed paste adhesive for internal wall tiling with most ceramic tiles and mosaics. Non-slip and high grab. Suitable for domestic kitchens and bathrooms.

Not recommended for natural stone, porcelain or glass tiles or those greater than 300 x 300 mm.



MapeGrip D1

Ready mixed paste adhesive with extended open time for internal wall tiling with most ceramic tiles and mosaics. High performance adhesive with nonslip properties high initial grab and extended open time. Suitable for domestic kitchens, bathrooms and showers. Not for commercial wet areas. Also suitable for commercial dry service areas. Not recommended for natural stone, porcelain or glass tiles or those greater than 300 x 300 mm.



MapeGrip D2

Water-resistant flexible paste adhesive for internal wall tiling with most ceramic tiles and mosaics. Non-slip and high grab. Suitable for commercial and domestic showers and wet areas.

Not recommended for natural stone, porcelain or glass tiles or those greater than 300 x 300 mm.





Consistency of mix: thick paste.

Colour: light beige.

Open time: approx. 20 minutes.

Application temperature range: from +5°C to

+35°C.

Grouting: after 12-24 hours.

Storage: 12 months.

Application: notched trowel. **Consumption:** approx. 2-3 kg/m². **Packaging:** 22 & 15 kg tubs.





TECHNICAL DATA:

Consistency of mix: thick paste.

Colour: light beige.

Open time: approx. 30 minutes.

Application temperature range: from +5°C to

+35°C.

Grouting: after 12-24 hours.

Storage: 12 months.

Application: notched trowel. **Consumption:** approx. 2-3 kg/m². **Packaging:** 15, 7.5 & 2.5 kg tubs.





TECHNICAL DATA:

Consistency of mix: thick paste.

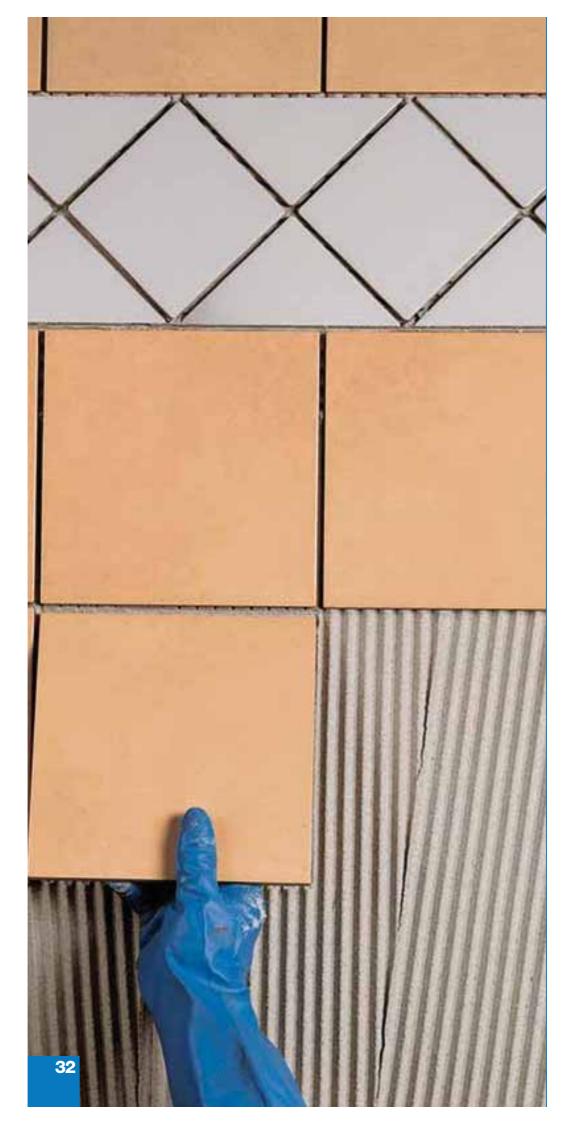
Colour: off white. **Open time:** 20 minutes.

Application temperature range: from +5°C to

+35°C.

Grouting: after 24 hours. **Storage:** 12 months.

Application: notched trowel. **Consumption:** approx. 2-3 kg/m². **Packaging:** 15, 7.5 & 2.5 kg tubs.



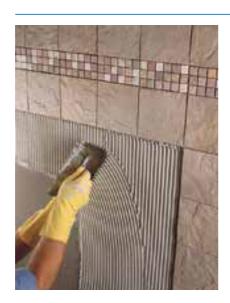
STANDARD SETTING ADHESIVES FOR WALLS & FLOORS

STANDARD SETTING ADHESIVES FOR WALLS



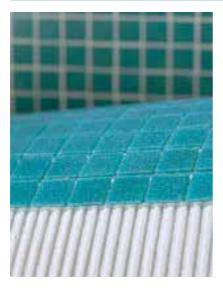
Kerabond T

Cement based adhesive for fixing all types of ceramic tiles and mosaics to internal and external walls and floors. Mix with ISOLASTIC for improved performance and increased flexibility and for bonding porcelain tiles. (Kerabond T with 100% Isolastic conforms to EN 12004 as C2S2.)



Adesilex P9

High strength, polymer modified adhesive for installing ceramic and porcelain tiles and mosaics, no vertical slip. Also suitable for the installation of non-moisture sensitive natural stone. For interior and exterior applications on conventional wall and floor substrates. Suitable for swimming pools.



Adesilex P10

Brilliant white mosaic adhesive with no vertical slip and extended open time. For interior and exterior wall and floor installations of ceramic, glass and marble mosaics. Mix with ISOLASTIC for improved performance and increased flexibility for use in swimming pools, bonding to plywood and for certain types of resin backed glass.











Pot life of mix: more than 8 hours.

Open time: 20 minutes.

Waiting time before grouting:

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

Set to light foot traffic: approx. 24 hours. **Ready for use:** approx. 14 days (full service

conditions).

Colours: grey and white. **Application:** notched trowel.

EMICODE: EC1 R Plus - very low TVOC emissions.

Storage: 12 months.

Consumption: 2-5 kg/m².

Packaging: 20 kg bags.











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 (full service

conditions).

Colours: grey and white. **Application:** notched trowel.

EMICODE: EC1 R Plus – very low TVOC emissions.

Storage: 12 months. **Consumption:** 2-5 kg/m². **Packaging:** 20 kg bags.









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: approx. 24 hours.

Ready for use:

- surface: approx. 14 days

- basins & swimming pools: approx. 21 days

Application: trowel **Storage:** 12 months.

Consumption: approx. 2-5kg/m².

Packaging: 25 kg bag and 5 kg Alu-Paks

STANDARD SETTING ADHESIVES FOR WALLS



Keraflex Maxi S1

Single part flexible (S1), LOW DUST, cementitious adhesive, with no vertical slip, extended open time and inbuilt flexibility. For the installation of ceramic tiles, porcelain tiles, mosaics and moisture stable stone materials on walls and floors. Ideal for the installation of large tiles to walls. Suitable for underfloor/undertile heating. Bed thickness 3-15 mm.



Isolastic

Polymeric admixture imparting flexibility to be mixed with KERABOND T / ADESILEX P10 improving the performance of the adhesive and increasing adhesive strength. Suitable for the interior and exterior bonding of ceramic tiles and moisture stable natural stone on conventional substrates.











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 (full service

conditions).

Deformability according to EN 12004:

S1 - deformable.

Colours: white and grey. **Application:** notched trowel.

Storage: 12 months.

Consumption: 1.2 kg/m² per mm of thickness.

Packaging: 20 kg bags.



KERABOND T & ISOLASTIC



ADESILEX P10 & 50% ISOLASTIC **TECHNICAL DATA:**

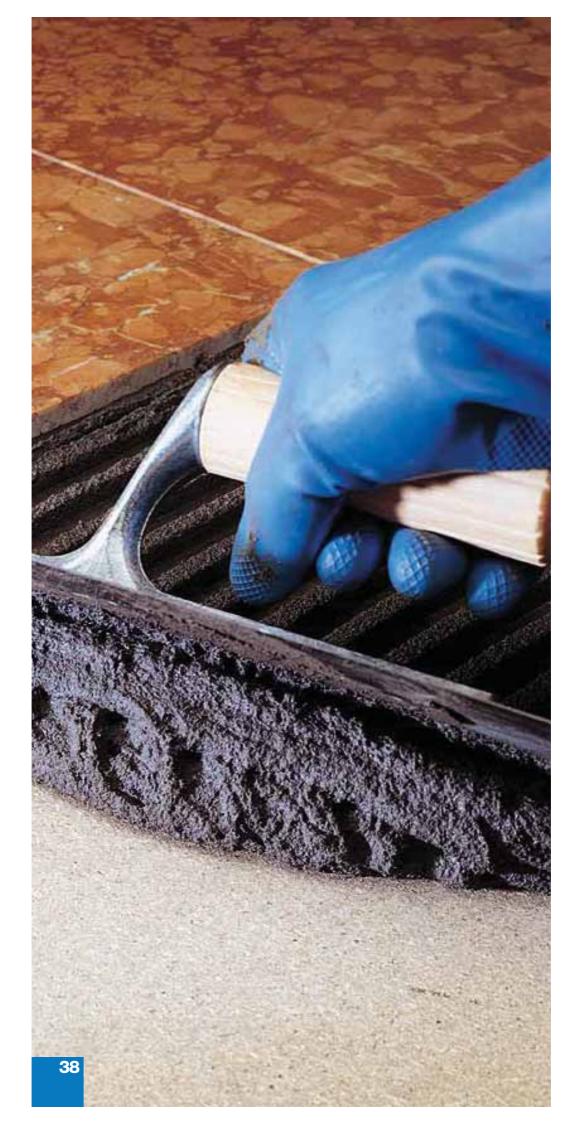
Pot life of mix: 8 hours. Colour: pinkish white.

Open time: approx. 20-30 minutes. Ready for use: approx. 14 days. Application: notched trowel

Storage: 24 months.

Consumption: approx. 1-2 kg/m²

Packaging: 25 kg, 8 kg & 5kg drums & 1 kg bottles



RAPID SETTING ADHESIVES FOR WALLS & FLOORS

RAPID SETTING ADHESIVES FOR WALLS &



Adesilex P4

Full contact, rapid setting pourable adhesive for the interior and exterior bonding of all types of medium and large sized ceramic and stone floor tiles in environments subject to heavy traffic. Exceptional wetting capacity, reducing the need to back butter with many tiles. Can also be used as an internal and external levelling compound.



Mapeker Rapid-Set Flex

Rapid set single-part flexible adhesive for fixing all types of ceramic, porcelain tiles and mosaics and moisture stable natural stone. Suitable for plywood overlaid floors installed to British Standard recommendations. Use with undertile heating encapsulated in a levelling compound. For internal and external use on walls and floors. Cured adhesive is water resistant and frost-proof. Suitable for dry or wet service conditions.



Keraquick

Fast setting polymer modified flexible S1 adhesive for fixing all types of ceramic, porcelain & glass tiles, mosaics and non moisture sensitive natural stone to internal and external walls and floors. Suitable for plywood overlaid substrates. Mix with LATEX PLUS for increased flexibility to S2, for tiling to other timber substrates and fixing resin backed glass tiles. Suitable for dry and wet service conditions including swimming pools.











Where to use: floors and skirtings 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: notched trowel.

EMICODE: EC1 R Plus - very low TVOC emissions.

Storage: 12 months. **Consumption:** 4-10 kg/m².

Packaging: 20 kg bags.





TECHNICAL DATA:

Open time: 10 minutes.

Waiting time before grouting: 3 hours.

Set to light foot traffic: 3 hours.

Colour: grey and white. **Application:** notched trowel.

Storage: 12 months.

Consumption: walls - approx. 2.5 kg/m²

floors - approx. 4 kg/m² depending on substrate and

back of tile.

Packaging: 20 kg & 10 kg bags.









TECHNICAL DATA:

Pot life of mix: 30 minutes.

Open time: 20 minutes.

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

Ready for use: approx. 24 hours (3 days for swimming

pools/water features).

Deformability according to EN 12004:

S1 - deformable.

Colours: grey and white.

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

EMICODE: EC1 Plus - very low TVOC emissions.

Storage: 12 months. **Consumption:** 2-5 kg/m².

Packaging: 20 kg, 10 kg and 5 kg bags.

RAPID SETTING ADHESIVES FOR WALLS &



Latex Plus

Latex admixture imparting elasticity and increased adhesion strength, to be mixed with KERAQUICK. Increases KERAQUICK flexibility to S2.



Granirapid

Two-component high performance flexible rapid set and rapid strength build adhesive for the installation of ceramic, porcelain, natural and agglomerate stone. Ideal for heavy duty commercial and industrial applications, interior and exterior use, balconies, terraces and swimming pools. For use with underfloor heating systems.



Elastorapid

Two-component, highly flexible S2 rapid set adhesive with extended open time for the installation of natural and agglomerate stone, ceramic and porcelain tiles. Suitable for tiled floors subject to heavy loads, and for use in swimming pools. Suitable for interior and exterior use including balconies, terraces and wet rooms. Suitable for use on timber floors. Longer open time and pot life than conventional rapid setting adhesives.

TECHNICAL DATA:

LATEX PLUS + KERAQUICK: Pot life of mix: 30 minutes.

Open time: 20 minutes.

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

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

and swimming pools).

Deformability according to EN 12004: S2 - highly

deformable.

Application: notched trowel.

Storage (LATEX PLUS): 24 months. Protect from

frost.

Consumption: 2 - 5 kg/m² based on KERAQUICK

powder (2.6 - 6.5 kg/m² mixed material). **Packaging:** 6 kg drums, 3 and 1.5 kg bottles.









TECHNICAL DATA:

Consistency: comp. A: powder; comp. B: thick liquid. **Colours:** comp. A: grey and white; comp. B: white.

Pot life of mix: 45 minutes.

Application temperature range: from $+5^{\circ}$ C to $+30^{\circ}$ C.

Open time: 20 minutes. Setting time: 3 hours.

Set to light foot traffic: 3-4 hours.

Ready for use: 24 hours. **Colours:** grey and white.

EMICODE: EC1 Plus - very low TVOC emissions.

Storage: 12 months.

Application: notched trowel. **Consumption:** 3-8 kg/m².

Packaging: white: 22.4 kg kit: comp A: 18 kg bags comp B: 4.4 kg tubs. grey: 24.4 kg kit comp A: 20 kg

bags. comp B: 4.4 kg tubs.





TECHNICAL DATA:

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

Waiting time before grouting: 3-4 hours. **Set to light foot traffic:** approx. 3-4 hours.

Ready for use: approx. 24 hours (3 days for swimming

pools/water features).

Deformability according to EN 12004: S2 - highly

deformable.

Colours: grey and white. **Application:** notched trowel.

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

Protect from frost.

Consumption: 3-8 kg/m².

Packaging: 25 kg kit: comp A: 20 kg bags.

comp B: 5 kg drums.



LIGHTWEIGHT TILE ADHESIVES

LIGHTWEIGHT TILE ADHESIVES



Ultralite S1

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



Ultraflex S2 Quick

One-component, high performance, fast setting, highly flexible S2 lightweight, slip resistant, adhesive with high yield. For the installation of ceramic tiles, mosaic and stone material on conventional internal and external floors and walls. For use on green screeds and timber substrates contains >20% recycled materials. Up to 30% greater coverage than conventional Mapei cement based adhesives.



Ultralite Rapid Flex S1

Rapid setting, low dust, one-component, flexible lightweight, high yield, non-slip S1 wall and floor tile adhesive. Suitable for ceramic, porcelain and natural stone tiles and mosaics. Especially suitable for fixing thin porcelain tiles. For screed/render and plywood substrates. Contains >30% recycled material and produces low levels of dust when mixed. Up to 60% greater coverage than conventional Mapei cement based adhesives.













Pot life of mix: more than 8 hours.

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

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

Set to light foot traffic: approx. 24 hours.

Ready for use: approx. 14 days.

Deformability according to EN 12004:

S1 - deformable.

Colour: grey and white.

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

Storage: 12 months.

Consumption: 1.5-2.5 kg/m². Packaging: 15 kg bags.









TECHNICAL DATA:

Pot life of mix: 30 minutes. Open time: 15-20 minutes. Waiting time before grouting:

- on walls: 3 hours; - on floors: 3-4 hours.

Set to light foot traffic: 5-6 hours.

Ready for use: 24 hours.

Deformability according to EN 12004: S2 - highly

deformable. **Colour:** grey.

Application: notched trowel.

Storage: 12 months.

Consumption: 0.9 kg/m² per mm of thickness,

equivalent to 1.5-2.5 kg/m². **Packaging:** 15 kg bags.











TECHNICAL DATA:

Pot life of mix: 50 minutes. Open time: 20 minutes.

Waiting time before grouting: min 3 hours.

Set to light foot traffic: min 3 hours.

Ready for use: 24 hours.

Deformability according to EN 12004:

S1 - deformable. **Colour:** grey.

Application: notched trowel.

Storage: 12 months.

Consumption: 1.5-2.5 kg/m².

Packaging: 15 kg bags.

LIGHTWEIGHT TILE ADHESIVES



Ultralite S2 Quick

Rapid setting, high performance, highly flexible (S2), one component lightweight wall and floor tile adhesive. Extended open time and exceptional wetting of substrates and tile backs. For screed/render, existing tiles and plywood. Suitable for ceramic, porcelain and natural stone tiles in interior and exterior locations. Ideal for the installation of large format thin porcelain tiles.

Contains >20% recycled content. Up to 80% greater coverage than conventional Mapei S2 adhesives.







TECHNICAL DATA:

Pot life of mix: 50 minutes. Open time: ≥ 30 minutes. Waiting time before grouting:

- on walls: 2-3 hours. - on floors: 2-3 hours.

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

Ready for use: approx. 24 hours.

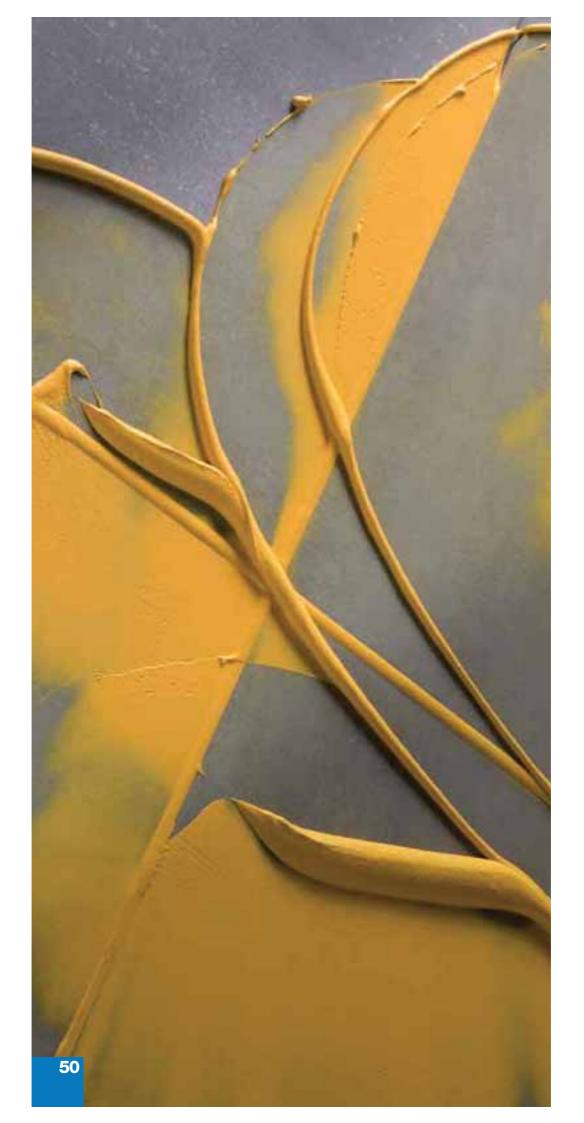
Colour: grey or white.

Application: notched trowel.

Storage: 12 months.

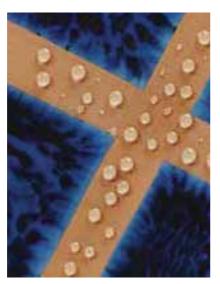
Consumption: 0.8 kg/m² per mm of thickness.

Packaging: 15 kg bags.



COLOURED GROUTS

COLOURED GROUTS



Ultracolor Plus

Fast setting and drying flexible polymer modified anti-efflorescence grout for joints from 2-20 mm. Water-repellent with DropEffect and anti-mould with BioBlock technology. Available in 31 colours. Suitable for interior and exterior wall and floor grouting of ceramic tiles, porcelain, terracotta, stone material, glass and marble mosaics - not suitable for tiles with soft decorative glazes or metallic tiles.



Keracolor Flex

Keracolor Flex is a new flexible, water-repellent grout suitable for grout joint widths from 1-6mm. It can be used with a wide range of surface finishes, including ceramic, porcelain, natural stone, and glass tiles and mosaics – both internally and externally. Available in 7 colours.



Keracolor FF

Polymer modified cementitious grout for joints up to 6 mm.
Water-repellent with DropEffect® technology making joints less prone to dirt pick-up and improving durability. Suitable for interior and exterior wall and floor grouting of ceramic tiles, porcelain, terracotta, stone material, glass and marble mosaics. Ideal for kitchens, bathrooms, showers and swimming pools.









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 swimming

pools and water features).

Colours: 31 different colours from the MAPEI

"Coloured Grouts" range. **Application:** rubber float.

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

Storage:

- 12 months (23 kg bags);

- 24 months (5 and 2 kg bags).

Consumption: dependent on the size of the joints. **Packaging:** 23 kg bags and 5 kg and 2 kg Alu-Paks,

dependent on the colour.









TECHNICAL DATA:

Pot life of mix:

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

- on floors: approx. 7 days.
- on showers: appox. 48 hours.
- on swimming pools: approx. 7 days after grouting where the pool has been refurbished or after 3 weeks for new build pools.

Colours: 7 colours Sand Storm, Soft Stone, Limestone, Oyster, Pearl, Pebble & White Sand.

Application:

Consumption: dependent on the size of the joints.

Packaging: 5 kg Alu-pak.









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: 100 white, 110 manhattan 2000,

111 silver grey, 112 medium grey, 113 cement grey, 114 anthracite, 120 black, 130 jasmine, 132 beige

2000 & 142 brown.

Application: rubber MAPEI grout float.

Finishing: MAPEI sponge or Scotch-Brite® pad. **EMICODE:** EC1 R Plus - very low TVOC emissions.

Storage: 24 months (5 kg bags).

Consumption: dependent on the size of the joints. **Packaging:** 5 kg Alu-Paks and 4x5 kg boxes.

COLOURED GROUTS



Keracolor SF

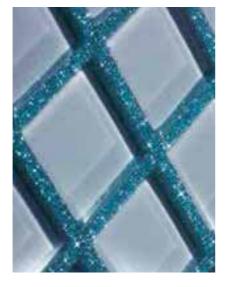
Superfine grain cementitious white grout for joints up to 4 mm. Suitable for interior and exterior wall and floor grouting of ceramic tiles, porcelain, stone, glass and marble mosaics. Ideal for kitchens, bathrooms, showers and swimming pools. Ideal for high gloss tiles. Now in 6 colours.



Kerapoxy CQ

Two-component epoxy, easy to apply and excellent cleanability, ideal for grouting ceramic tiles and mosaics.

Ideal for locations such as swimming pools, shower areas, kitchens & bathrooms. May also be used as an adhesive. Meets requirements for EC regulations regarding hygiene & foodstuffs.



Kerapoxy Design

Two-component, decorative, satin finish, hygienic, acid-resistant epoxy mortar for grouting glass mosaics, ceramic tiles and stone material with a particular aesthetic value. Available in 8 colours. Can also be mixed with MAPEGLITTER in silver, light gold, copper, dark blue, pink, purple and red for a stunning glitter effect. Creates a particularly pleasing effect with thin translucent glass mosaics when used as both adhesive and grout.







TECHNICAL DATA:

Pot life of mix: approx. 2 hours.

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

Ready for use: 7 days.

Colour: white, medium grey, cement grey, jasmine,

beige and anthracite.

Application: rubber MAPEI float.

Finishing: MAPEI sponge or Scotch-Brite® pad. EMICODE: EC1 R Plus - very low TVOC emissions. Storage: 12 months (22 kg bags), 24 months (5 kg

bags).

Consumption: dependent on the size of the joints. **Packaging:** 22 and 5 kg bags and 4x5 kg boxes only

in white.













TECHNICAL DATA:

Pot life of mix: 45 minutes.

Set to light foot traffic: approx. 12 hours. **Ready for use:** after 3 days surfaces may be

exposed to chemicals.

Colours: 21.

Application: suitable rubber float.

Storage: 24 months.

Consumption: dependent on the size of the joints.

Packaging: 3kg tub.









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:** 25

EMICODE: EC1 Plus - very low TVOC emissions.

Application: suitable float.

Finishing: White Scotch-Brite® pad and/or MAPEI

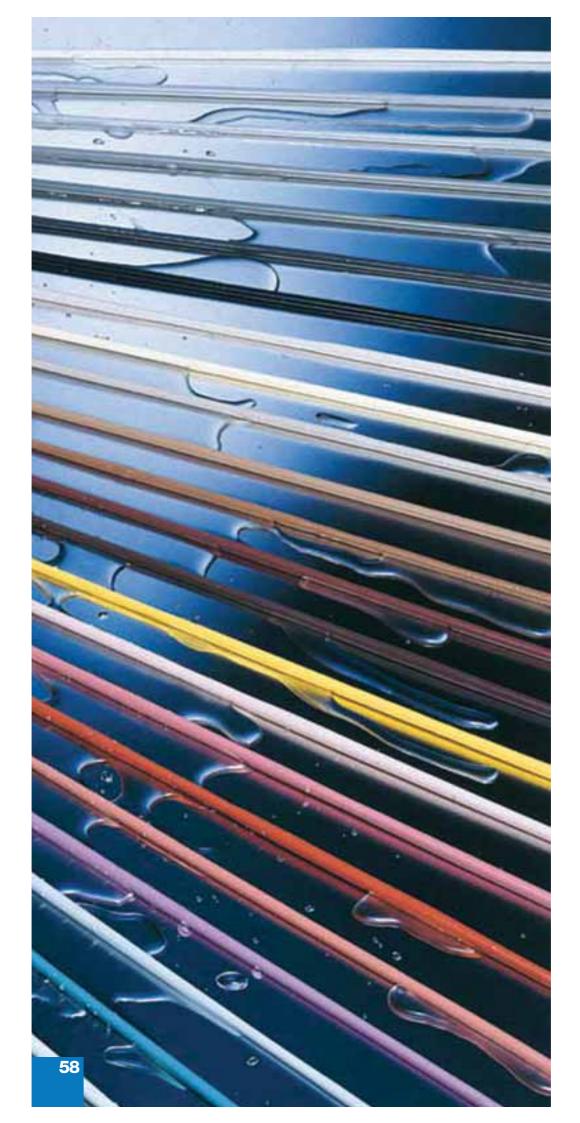
cellulose sponge. **Storage:** 24 months.

Consumption: dependent on the size of the joints.

Packaging: 3 kg tubs.

	pei oured Grouts	CEMENTITIOUS GROUTS	Ultracolor Plus	Keracolor त्राक्य
400	MULTE			23 15
100	WHITE MOON WHITE		•	
110	MANHATTAN 2000		•	
111	SILVER GREY		•	
112	MEDIUM GREY		•	
113	CEMENT GREY		•	
114	ANTHRACITE	2	•	
120	BLACK		•	
130	JASMINE		•	
131	VANILLA		•	
132 133	BEIGE 2000 SAND		•	
134	SILK	_	•	
135	GOLDEN DUST	_	•	
136	MUD		•	
140	CORAL RED		•	
141	CARAMEL		•	
142	BROWN		•	
143	TERRACOTTA		•	
144	CHOCOLATE		•	
145	TERRA DI SIENA		•	
146	RICH BROWN			
147	CAPPUCCINO	_		
149 150	VOLCANO SAND YELLOW	_	•	
151	MUSTARD YELLOW		•	
160	MAGNOLIA		•	
161	MAUVE			
162	VIOLET		•	
163	LILAC			
165	CHERRY RED			
170	CROCUS BLUE		•	
171	TURQUOISE	_	•	
172	SPACE BLUE		•	
173	OCEAN BLUE	_		
174 181	TORNADO JADE GREEN	_	•	
182	TORMALINE			
183	LIME GREEN			
282	BARDIGLIO GREY			
283	SEA BLUE			
290	CREAM			
299	LIMESTONE		•	•
316	WHITE SAND			•
317	PEBBLE			•
318	OYSTER			•
319	SAND STORM			•
320 321	SOFT STONE PEARL			•
999	TRANSPARENT			
	HARVIAILERI			
700	TRANSLUCENT			
710	ICE WHITE			
720	PEARL GREY			
728	DARK GREY			
729	SAHARA YELLOW			
730 731	TURQUOISE DARK PROMAN			
740	DARK BROWN BLUE			
750	RED			
760	GOLD			
100				

	EPOXY GROUTS				SEALANTS	4	_
	5	S	8	8	5	Mapesil AC	Mapesil LM
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SEALANTS

SEALANTS



Mapesil AC

Solvent-free, high quality cross-linking, mould resistant silicone sealant, available in 37 colours + transparent to compliment the Mapei grout range. Interior and exterior use for sealing expansion and movement joints on horizontal and vertical surfaces. Suitable for bathrooms, kitchens, swimming pools and many other construction projects. Also for use as a general seal around sanitary ware. Prime with Primer FD in swimming pools/water features.



Mapesil LM

Solvent-free, odourless, non-staining, high quality, neutral cross-linking silicone sealant for natural stone, marble and agglomerate stone. Unsuitable for continuous water immersion.

Can also be used with porcelain and ceramic tiles and as a general seal to sanitary ware.





TECHNICAL DATA:

Movement in service: ±25%. Elongation at break: 800%. Shore A hardness: 20.

Workability time: 20 minutes.

Colours: transparent + 37 colours coordinated with

the "MAPEI Coloured Grouts" range.

Consumption: 12 linear metres per 310 ml cartridge

(5x5 mm section).

Packaging: 310 ml cartridges and 12 x 310 ml boxes.





TECHNICAL DATA:

Movement in service: ±25%. Elongation at break: 250%. Shore A hardness: 20.

Workability time: 15 minutes.

Colours: transparent, 100 white, 110 manhattan, 112 medium grey, 114 anthracite, 130 jasmine,

120 black and 132 beige 2000.

Consumption: 12 linear metres per 310 ml cartridge

(5x5 mm section).

Packaging: 310 ml cartridges and 12 x 310 ml boxes.

TILING DIRECT TO TIMBER FLOORBOARDS

CONDITIONS: Dry service conditions, internal areas

TILE TYPES: Ceramic and porcelain tiles, dark coloured

natural stone

REQUIREMENTS

The floorboards must be of the tongue and groove type.

- Tongues and grooves must be intact and fully located.
- The tile installation should be carried out in accordance with the relevant sections of BS 5385 part 3 "Design and installation of internal and external ceramic and mosaic floor tiling in normal conditions Code of practice", part 5 "Design and installation of terrazzo, natural stone and agglomerated stone tile and slab flooring Code of practice" and BS 8000, part 11 "Internal and external wall and floor tiling ceramic and agglomerated stone tiles, natural stone and terrazzo tiles and slabs, mosaics Code of practice".

SUBSTRATE PREPARATION

- Remove and replace any damaged boards.
- Ensure there is adequate ventilation beneath the boards.
- Screw the boards to the joists using rust resistant countersunk screws.
- Remove contamination from the face of the boards by mechanical abrasion e.g. sanding.
- Remove by vacuum any dust created.

PRIMING

- With new floorboards in good clean condition there is usually no necessity to prime.
- Older boards that have been sanded leaving exposed timber fibres should be primed with Mapei Primer G.

FIXING THE TILES

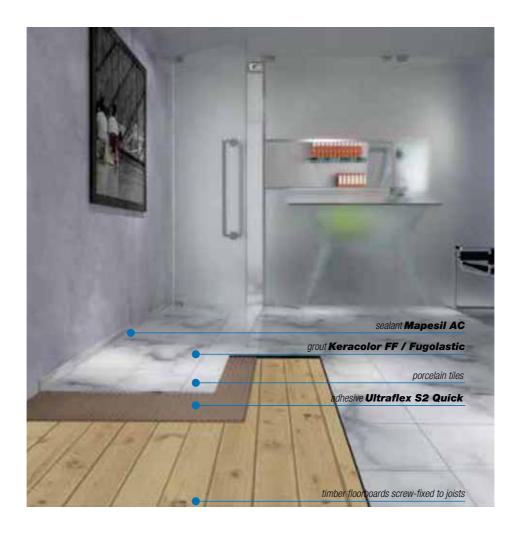
 Once any applied primer has dried, fix the tiles in a solid bed of Mapei Ultraflex S2 Quick.

GROUTING

- Once the adhesive bed has cured grout the tiles using a rubber grout float ensuring that the joints are completely filled.
- Suitable grouts: Mapei Ultracolor Plus, Mapei Keracolor FF + Mapei Fugolastic.

MOVEMENT JOINTS / GENERAL SEALING

- Movement joints will be required in any tiled installation to accommodate stresses.
- Ensure that joints are completely clean and free from any contamination including grout overspill / adhesive residues.
- Insert a bond breaker such as MAPEI Mapefoam preformed strip then fill perimeter joints with Mapei Mapesil AC. Light duty intermediate joints (where necessary) may also be filled with Mapesil AC. (Use Mapesil LM for natural stone installations).
- In medium to heavy duty areas intermediate movement joints are best constructed using proprietary pre-formed systems.



TILING TO ELECTRIC UNDERTILE HEATING

CONDITIONS: Dry service conditions / occasional splash

contact, internal areas

TILE TYPES: Ceramic and porcelain tiles, natural stone

REQUIREMENTS

Ensure that the sub-base (e.g. plywood, concrete) is flat.

- Ensure the insulation board is securely installed to provide a flat and stable substrate.
- All board joints must be free from movement.
- The tile installation should be carried out in accordance with the relevant sections of BS 5385 part 3 "Design and installation of internal and external ceramic and mosaic floor tiling in normal conditions Code of practice", part 5 "Design and installation of terrazzo, natural stone and agglomerated stone tile and slab flooring Code of practice" and BS 8000, part 11 "Internal and external wall and floor tiling ceramic and agglomerated stone tiles, natural stone and terrazzo tiles and slabs, mosaics Code of practice".

SUBSTRATE PREPARATION

- Ensure there is adequate ventilation beneath the plywood sub-base.
- Screw the plywood to the supporting joists using rust resistant countersunk screws.
- Install the insulation board as per manufacturer's recommendations.
- Remove any contamination from the face of the boards by mechanical abrasion e.g. sanding.
- Remove by vacuum any dust created.

PRIMING

- Prime the insulation boards with Mapei Eco Prim T.
- Allow the primer to dry.

INSTALLING THE CABLES

- Lay the cables and secure in position as recommended by the manufacturer.
- Check the cables for electrical conductivity as recommended by the manufacturer.
- Encapsulate the cables in a layer of Mapei Ultraplan Renovation Screed ensuring that there is a least 2 mm of levelling compound above the top of the cables.
- Once the levelling compound has dried, it is recommended that the heating system is brought to its operating temperature, maintained at this level for a minimum of 3 days and then switched off.

CABLES IN A BATHROOM

FIXING THE TILES

- Following switching off, once the heated levelling compound has reached a constant temperature, fix the tiles in a solid bed of Mapei Keraguick incorporating Mapei Latex Plus.
- If natural stone is to be installed we would recommend the white version of Keraquick for light coloured or translucent stone.

GROUTING

- Once the adhesive bed has cured grout the tiles using a rubber grout float ensuring that the joints are completely filled.
- Suitable grouts: Mapei Ultracolor Plus, Mapei Keracolor FF + Mapei Fugolastic.
- Allow 21 days prior to slowly bringing up the temperature of the undertile heating system.

MOVEMENT JOINTS / GENERAL SEALING

- Movement joints will be required in any tiled installation to accommodate stresses in the tiled installation.
- Ensure that joints are completely clean and free from any contamination including grout overspill / adhesive residues.
- Insert a bond breaker such as MAPEI Mapefoam preformed strip then fill perimeter joints with Mapei Mapesil AC. Light duty intermediate joints (where necessary) may also be filled with Mapesil AC. (Use Mapesil LM for natural stone installations).
- In medium to heavy duty areas intermediate movement joints are best constructed using proprietary pre-formed systems.



TILING TO EXISTING CERAMIC TILES

CONDITIONS: Dry service conditions / occasional splash

contact, internal areas

TILE TYPES: Ceramic and porcelain tiles, natural stone

REQUIREMENTS

 Ensure that the existing tiled substrate is stable and free from hollow tiles.

• The tile installation should be carried out in accordance with the relevant sections of BS 5385 part 3 "Design and installation of internal and external ceramic and mosaic floor tiling in normal conditions – Code of practice", part 5 "Design and installation of terrazzo, natural stone and agglomerated stone tile and slab flooring – Code of practice" and BS 8000, part 11 "Internal and external wall and floor tiling – ceramic and agglomerated stone tiles, natural stone and terrazzo tiles and slabs, mosaics – Code of practice".

SUBSTRATE PREPARATION

- Remove hollow sounding, loose or damaged tiles and repair with Mapei Nivorapid.
- Remove any contamination from the face of the tiles by mechanical abrasion.
- Remove by vacuum any dust created.

PRIMING

- Prime the existing tiled surface with Mapei Eco Prim Grip.
- Allow the primer to dry.

FIXING THE TILES

- Once the primer has dried, fix the tiles in a solid bed of Mapei Granirapid.
- If natural stone is to be installed we would recommend the white version of Granirapid to install light coloured or translucent stone.

GROUTING

- Once the adhesive bed has cured grout the tiles using a rubber grout float ensuring that the joints are completely filled.
- Suitable grouts: Mapei Ultracolor Plus, Mapei Keracolor FF.

MOVEMENT JOINTS / GENERAL SEALING

- Movement joints will be required in any tiled installation to accommodate stresses.
- Ensure that joints are completely clean and free from any contamination including grout overspill / adhesive residues.
- Insert a bond breaker such as MAPEI Mapefoam preformed strip then fill perimeter joints with Mapei Mapesil AC. Light duty intermediate joints (where necessary) may also be filled with Mapesil AC. (Use Mapesil LM for natural stone installations).
- In medium to heavy duty areas intermediate movement joints are best constructed using proprietary pre-formed systems.



WATERPROOFING AND TILING A WET ROOM

CONDITIONS: Wet service conditions / occasional splash

contact, internal areas

TILE TYPES: Ceramic and porcelain tiles, natural stone SUBSTRATE: Moisture resistant type e.g. sand:cement

screed, tilebacker board

REQUIREMENTS

Ensure that the substrates are sufficiently flat.

- Sand:cement screeds must be dry and cured for a minimum of 3 weeks.
- Install tilebacker boards in accordance with manufacturer's instructions ensuring they form a stable, rigid substrate free from deflection. Ensure that fixings do not protrude.
- The tile installation should be carried out in accordance with the relevant sections of BS 5385 part 1 "Design and installation of ceramic, natural stone and mosaic wall tiling in normal conditions Code of practice", part 3 "Design and installation of internal and external ceramic and mosaic floor tiling in normal conditions Code of practice", part 4 "Design and installation of ceramic and mosaic tiling in special conditions Code of practice", part 5 "Design and installation of terrazzo, natural stone and agglomerated stone tile and slab flooring Code of practice" and BS 8000, part 11 "Internal and external wall and floor tiling ceramic and agglomerated stone tiles, natural stone and terrazzo tiles and slabs, mosaics Code of practice".

SUBSTRATE PREPARATION

Remove all contamination from screeds by mechanical abrasion.

PRIMING

- Priming is not generally necessary. However absorbent substrates will benefit from priming with diluted Mapei Primer G (1:1 with water).
- Non-absorbent substrates should be primed with Mapei Eco Prim Grip.
- Allow the primer to dry.

INSTALLING THE WATERPROOF MEMBRANE

- It will be necessary to incorporate Mapei Mapeband flexible waterproof tape in the following locations (after having first applied a coat of Mapei Mapelastic Aquadefense in a strip slightly wider than the Mapeband):
 - o Wall and floor junctions
 - o Internal vertical wall angles
 - o Over joints in boards
- Use Mapeband 90° internal angles where wall angles join the floor (external angles are also available if necessary).
- Incorporate Mapeband pipe inlet gaskets around pipe penetrations and Mapeband outlet gaskets around drainage in the floor.
- Using a brush or roller apply Mapei Mapelastic Aquadefense to all substrates.
- Allow the first coat to dry and then apply a second coat.

FIXING THE TILES

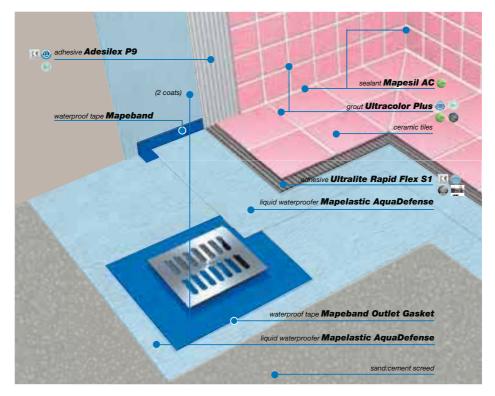
- Allow the waterproof membrane to dry (minimum 4 hours).
- It is essential that tiles are fixed in a solid bed of adhesive in wet areas. This applies to both wall and floor areas.
 - o Suitable adhesives (walls) Keraflex Maxi LD, Ultralite S1, Adesilex P9, Adesilex P10
 - o Suitable adhesives (floors) Keraquick, Ultralite Rapid Flex S1
- If light coloured or translucent natural stone is to be installed we
 would recommend the use of a white rapid setting adhesive such as
 Keraquick, Elastorapid or Granirapid for light coloured or translucent
 stone.

GROUTING

- Once the adhesive bed has cured grout the tiles using a rubber grout float ensuring that the joints are completely filled.
- Suitable grouts: Mapei Ultracolor Plus, Mapei Keracolor FF.

MOVEMENT JOINTS / GENERAL SEALING

- Movement joints will be required in any tiled installation to accommodate stresses.
- Ensure that joints are completely clean and free from any contamination including grout overspill / adhesive residues.
- Insert a bond breaker such as MAPEI Mapefoam preformed strip then fill perimeter joints with Mapei Mapesil AC. Light duty intermediate joints (where necessary) may also be filled with Mapesil AC. (Use Mapesil LM for natural stone installations).
- In medium to heavy duty areas intermediate movement joints are best constructed using proprietary pre-formed systems.



TILING INCORPORATING AN ANTI-FRACTURE

CONDITIONS: Dry service conditions / occasional splash

contact, internal areas

TILE TYPES: Ceramic and porcelain tiles, natural stone

SUBSTRATE: Floating chipboard

REQUIREMENTS

Ensure that the substrate is flat.

- Ensure the insulation used does not compress by more than 3 mm under load.
- Ensure that the boards are tongue & groove with all joints fully located and additionally glued.
- Allow a gap of 15 mm around the perimeter of the room and any interruptions in the floor.
- Ensure that the boards are free from vertical movement including around the perimeter.
- The tile installation should be carried out in accordance with the relevant sections of BS 5385 part 3 "Design and installation of internal and external ceramic and mosaic floor tiling in normal conditions Code of practice", part 5 "Design and installation of terrazzo, natural stone and agglomerated stone tile and slab flooring Code of practice" and BS 8000, part 11 "Internal and external wall and floor tiling ceramic and agglomerated stone tiles, natural stone and terrazzo tiles and slabs, mosaics Code of practice".

SUBSTRATE PREPARATION

- Remove any contamination from the face of the boards by mechanical abrasion e.g. sanding.
- Remove any dust created, by vacuum.

PRIMING

- Priming is not generally necessary. However extremely absorbent chipboard should be primed with Mapei Primer G.
- Allow the primer to dry.

INSTALLING THE ANTI-FRACTURE MEMBRANE

 Fix Mapei Mapetex to the prepared substrate with Mapei Keraquick incorporating Mapei Latex Plus.

FIXING THE TILES

- Once the adhesive used to fix the membrane has set, fix the tiles in a solid bed of Mapei Keraquick incorporating Mapei Latex Plus.
- If natural stone is to be installed we would recommend the white version of Keraquick for light coloured or translucent stone.

MEMBRANE

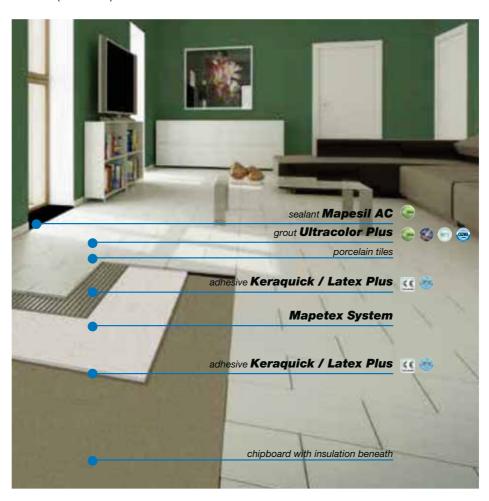
GROUTING

- Once the adhesive bed has cured grout the tiles using a rubber grout float ensuring that the joints are completely filled.
- Suitable grouts: Mapei Ultracolor Plus, Mapei Keracolor FF + Mapei Fugolastic.

MOVEMENT JOINTS / GENERAL SEALING

- Movement joints will be required in any tiled installation to accommodate stresses.
- Ensure that joints are completely clean and free from any contamination including grout overspill / adhesive residues.
- Fill perimeter joints with Mapei Mapesil AC. Light duty intermediate joints (where necessary) may also be filled with Mapesil AC. (Use Mapesil LM for natural stone installations).
- In medium to heavy duty areas intermediate movement joints are best constructed using proprietary pre-formed systems.

NOTE: Mapetex can also be used as an anti-fracture membrane over green screeds, timber substrates, existing tiles and substrates with stable (inactive) hairline cracks.



ADHESIVE SELECTOR: READY-MIXED

		Mapestik	Mapegrip D1
EN 12004 classification		D1T	D1TE
Maximu	m bed thickness	5mm	5mm
AREA	Walls	✓	✓
	Floors		
¥	Interior	✓	√
	Exterior		
	Dry Areas	√ √	√ ✓
CONDITIONS	Splashbacks	√	V
	Domestic light duty showers - 1.	✓	✓
Ĕ	Domestic power showers - 2.		
2	Commercial showers - 3.		
8	Wet rooms - 3.		
	Swimming Pools - 4.		
	Electric cable undertile heating		
	Piped underfloor heating	,	
ပ	Ceramic (porous bodied - biscuit)	✓	√
TILE / MOSAIC TYPE	Ceramic (vitrified) / quarry tiles Porcelain (fully vitrified)		
₹₽	Glass		
빌	Natural Stone		
-	Aggomerate stone		
Waterpro	pofing membranes		
	Plaster	✓	✓
	Render	✓	✓
	Plasterboard	✓	✓
ш	Tilebacker board	✓	✓
WALL SUBSTRATE	Blockwork / brickwork (must be adequately flat. Render with Nivoplan / Planitop Fast 330 as necessary)		√ prime porous / lightweight blockwork with Mapei Primer G
SOL	GRP / Fibreglass		
∃	Concrete	✓	✓
≸	Plywood		/m
	Existing tiles		√ tile body must be absorbent (e.g. Biscuit)
	Painted surfaces (0) (paint must be firmly bonded and strong enough to take the weight of tiling)	√ tile body must be absorbent (e.g. Biscuit)	✓ tile body must be absorbent (e.g. Biscuit)
	Sand:cement screed		
	Concrete		
	Calcium sulphate based screeds		
	Cement-based levelling compounds		
	Flooring grade asphalt		
FLOOR SUBSTRATE	Mapei Mapetex anti-fracture membrane ▷		
	Vinyl / rubber flooring (must be firmly bonded. Cushion flooring is unsuitable)		
OR.	Plywood overlay		
Ę.	Chipboard A		
	Tongue & Groove Floorboards		
	GRP / Fibreglass Existing tiled finishes		
	Mild steel / stainless steel		
	Painted surfaces		
	(paint must be firmly bonded)		

- Thoroughly mechanically abrade followed by vacuuming to remove all surface laitance
 ▷ = Bond the Mapetex with either Elastorapid or Keraquick with Latex Plus
 ▲ = Chipboard must be free from surface coatings eg. green chipboard. The surface must be mechanically abraded to expose wood fibres. Vacuum all dust. Prime with Primer G

READY TO USE PASTE ADHESIVE	eş e	
Mapegrip D2		Fix & Grout Concrete
wapegrip bz	Waterproof Fix & Grout	Fix & Grout Concrete & Timber Floors
D2T	D2TE	D2E
5mm	5mm	6mm
JIIIII	5HIII	OHIIII
-	V	
		√
√	✓	√
✓	✓	✓
√	✓	
✓	✓	√ when used with the Mapei Shower Waterproofing kit
√ when used with the Mapei Shower Waterproofing kit	√ when used with the Mapei Shower Waterproofing kit	
✓	✓	
	√	√
✓ (vitrified only)	√ (vitrified only)	· · · · · · · · · · · · · · · · · · ·
(Viullied offly)	✓ maximum tile size 200 x 200mm;	✓ maximum tile size 300 x 300mm;
	substrate must be absorbent	substrate must be absorbent
√ tile body must be absorbent (e.g. Biscuit)	√ tile body must be absorbent (e.g. Biscuit)	√ tile body must be absorbent (e.g. Biscuit)
	✓	
√	✓	
√	✓	
√	✓	
√ prime porous / lightweight blockwork with Mapei Primer G		
	√	
	√ ·	
✓ tile body must be absorbent (e.g. Biscuit)	✓ tile body must be absorbent (e.g. Biscuit)	
✓ tile body must be absorbent (e.g. Biscuit)	✓ tile body must be absorbent (e.g. Biscuit)	
1 - '		✓
		./
		v
		/
		√
		✓
		✓
		· ✓

- Recommendation: Apply the Mapei Shower waterproofing kit
 Recommendation: Apply the Mapei Shower waterproofing kit or Mapelastic Aquadefense
 Waterproof with Mapelastic AquaDefense, Mapelastic or Mapelastic Smart
 Waterproof, if required, with Mapelastic or Mapelastic Smart

ADHESIVE SELECTOR: STANDARD SETTING

		Kerabond T	Adesilex P9
EN 12004 classification		C1T	C2TE
	m bed thickness	5mm	6mm
	Walls	√ ·	√ ·
AREA	Floors	√	√
	Interior	<u> </u>	√ ·
	Exterior	·	,
	Dry Areas	<u> </u>	√
	Splashbacks	<u> </u>	→
	•		√
	Domestic light duty showers - 1.	*	· ·
SE	Domestic power showers - 2.	√	√
CONDITIONS	Commercial showers - 3.	<u>√</u>	√
₫	Wet rooms - 3.	<u> </u>	√
8	Swimming Pools - 4.	✓	√
	Electric cable undertile heating		✓ Maximum tile size 300 x 300 mm*
	Piped underfloor heating ▷		✓ Maximum tile size 300 x 300 mm
ပ	Ceramic (porous bodied - biscuit)	✓	✓
TILE / MOSAIC Type	Ceramic (vitrified) / quarry tiles	✓	✓
ЩЩ Щ	Porcelain (fully vitrified)		√
< ≥	Glass		
≝	Natural Stone		
_	Agglomerate stone		
lanei v	waterproof membranes	√	✓
ιαροι			(D) III D) 0
	Plaster	✓ Prime with Primer G	✓ Prime with Primer G
	Render	<u>√</u>	√
	Plasterboard	✓	√
WALL SUBSTRATE	Tilebacker board Blockwork / brickwork (must be adequately flat. Render with Nivoplan / Planitop Fast 330 as necessary)		· ·
S	GRP / Fibreglass		1
⇉	Concrete	✓	√
Š	Plywood		
	Existing tiles	✓ Prime with Mapei Eco Prim Grip	✓ Prime with Mapei Eco Prim Grip
	Painted surfaces (paint must be firmly bonded and strong enough to take the weight of tiling)	✓ Prime with Mapei Eco Prim Grip	✓ Prime with Mapei Eco Prim Grip
	Sand:cement screed	<u>√</u>	√
	Concrete	✓	√
	Calcium sulphate based screeds	√● ■	√● ■
	Cement-based levelling compounds	✓	✓
	Flooring grade asphalt	✓ Prime with Mapei Eco Prim Grip	✓ Prime with Mapei Eco Prim Grip
FLOOR SUBSTRATE	Mapei Mapetex anti-fracture membrane △ (bond the Mapetex to the substrate using Keraquick & Latex Plus or Elastorapid)		
	Vinyl / rubber flooring (must be firmly bonded. Cushion flooring is unsuitable)		✓ Mechanically abrade and prime with Eco Prim Grip
	Plywood overlay		
ď	Chipboard ▲		
	Tongue & Groove Floorboards		
	GRP / Fibreglass		
	Existing tiled finishes		✓ Prime with Mapei Eco Prim Grip
	Mild steel/stainless steel		Timi drip
	Painted surfaces	✓ Prime with Mapei Eco	✓ Prime with Mapei Eco
	(paint must be firmly bonded)	Prim Grip	Prim Grip

 ^{■ =} Thoroughly mechanically abrade followed by vacuuming to remove all surface laitance
 ■ = Prime with Mapei Eco Prim T diluted 1:2 with water. Alternatively prime with Primer G
 ★ = Heating cables should be encapsulated in a suitable Mapei self-levelling compound
 ▷ = Must be commissioned to British Standard recommendations prior to the installation of tiled finishes.
 ◆ = Prime with Mapei Eporip. Blind with kiln dried sharp sand whilst primer is still fresh. Remove excess sand by vacuum once Eporip is cured
 □ = Lightly abrade then prime with Eco Prim Grip or in continuous immersion prime with Mapei Eporip. Blind with kiln dried sharp sand whilst Eporip is still wet. Remove excess sand by vacuum once Eporio is cured Eporip is cured

Adesilex P10	Keraflex Maxi S1	Kerabond T & Isolastic	Ultralite S1
C2TE	C2TE S1	C2 S2	C2TE S1
5mm	15mm	5mm	15mm
✓	✓	✓	✓
	√	✓	√
√	√	√	√
√	✓	√	√
√	✓	√	√
√	√	<u>√</u>	√
√	√	<u>√</u>	√
	√ /	√	√
√	√ √	<u>√</u>	√ √
•	∀	<u> </u>	√
✓ Mix with 50% Isolastic	·		
✓	√ *	√ *	√ *
✓	✓	✓	✓
✓	✓	✓	✓
	√	✓	✓
✓	✓	✓	✓
✓	✓ Check with Technical Services	✓	
	✓ Moisture stable stone only	√	✓ Moisture stable stone only
✓	✓	✓	✓
✓ Prime with Primer G	✓ Prime with Primer G	✓ Prime with Primer G	✓ Prime with Primer G
√	√	✓	✓
√	√	✓	✓
√	✓	✓	✓
	✓	✓	√
√ □	√□	√□	√□
	√	<u> </u>	<u> </u>
✓ Mix with 50% Isolastic	✓	✓	√
✓ Prime with Mapei Eco Prim Grip	✓	✓	✓
✓ Prime with Mapei Eco Prim Grip	✓ Prime with Mapei Eco Prim Grip	✓	✓ Prime with Mapei Eco Prim Grip
✓	√	✓	✓
✓	✓	✓	✓
√● ■	√● ■	√● ■	√● ■
✓	✓	✓	✓
✓ Prime with Mapei Eco Prim Grip	✓ Prime with Mapei Eco Prim Grip	✓	✓ Prime with Mapei Eco Prim Grip
✓	✓	✓	✓
	✓ Mechanically abrade and prime with Eco Prim Grip	✓ Mechanically abrade	✓ Mechanically abrade and prime with Eco Prim Grip
	✓	✓	✓
		✓	
	✓ Mix with 50% Isolastic		
✓ 🗆	√□	✓□	✓ 🗆
✓ Prime with Mapei Eco Prim Grip	✓ Prime with Mapei Eco Prim Grip	✓	✓
	å	√ ♦	å
	✓ Prime with Mapei Eco Prim Grip	✓	✓ Prime with Mapei Eco Prim Grip

 ^{△ =} The adhesive selected to bond the tiles depends on the tile type & substrate beneath the membrane

 △ = Chipboard must be free from surface coatings eg. green chipboard. The surface must be mechanically abraded to expose wood fibres. Vacuum all dust. Prime with Primer G

 Recommendation: Apply the Mapei Shower waterproofing kit

 Recommendation: Apply the Mapei Shower waterproofing kit or Mapelastic Aquadefense

 Waterproof with Mapelastic AquaDefense, Mapelastic or Mapelastic Smart

 Waterproof, if required, with Mapelastic or Mapelastic Smart

ADHESIVE SELECTOR: RAPID SETTING

		Adesilex P4
EN 12004 classification		C2F
Maximu	m bed thickness	20mm
	Walls	
AREA	Floors	✓
	Interior	✓
	Exterior	✓
	Dry Areas	✓
	Splashbacks	
	Domestic light duty showers - 1.	✓
Ş	Domestic power showers - 2.	✓
SONDITIONS	Commercial showers - 3.	✓
들	Wet rooms - 3.	✓
, S	Swimming Pools - 4.	✓
	Electric cable undertile heating (Heating cables should be encapsulated in a suitable Mapei self-levelling compound)	✓
	Piped underfloor heating ▷	✓
뀚	Ceramic (porous bodied - biscuit)	✓ Minimum tile size 200 x 200mm
₹	Ceramic (vitrified) / quarry tiles	✓ Minimum tile size 200 x 200mm
AIC	Porcelain (fully vitrified)	✓ Minimum tile size 200 x 200mm
<u>so</u>	Glass	
FILE / MOSAIC TYPE	Natural Stone	✓ Moisture stable stone and dark coloured natural stone only
	Agglomerate stone	
Mapei w	vaterproof membranes	√
	Plaster	
	Render	
	Plasterboard	
Ä	Tilebacker board	
WALL SUBSTRATE	Blockwork / brickwork (must be adequately flat. Render with Nivoplan / Planitop Fast 330 as neccessary)	
L SI	GRP / Fibreglass	
Æ	Concrete	
>	Plywood	
	Existing tiles	
	Painted surfaces (paint must be firmly bonded and strong enough to take the weight of tiling)	
	Sand:cement screed	✓
	Concrete	✓
	Calcium sulphate based screeds	√● ■
	Cement-based levelling compounds	✓
	Flooring grade asphalt	✓ Prime with Eco Prim Grip
FLOOR SUBSTRATE	Mapei Mapetex anti-fracture membrane △ (bond the Mapetex to the substrate using Keraquick & Latex Plus)	√
	Vinyl / rubber flooring (must be firmly bonded. Cushion flooring is unsuitable)	✓ Mechanically abrade and prime with Eco Prim Grip
	Plywood overlay	
5	Chipboard Transpare & Crease Floorbeards	
_	Tongue & Groove Floorboards	
	GRP / Fibreglass	/= · · · ·
	Existing tiled finishes	✓ Prime with Eco Prim Grip
	Mild steel / stainless steel	
F (Painted surfaces (paint must be firmly bonded)	✓ Prime with Eco Prim Grip

- Thoroughly mechanically abrade followed by vacuuming to remove all surface laitance
 Prime with Mapei Eco Prim T diluted 1:2 with water. Alternatively prime with Primer G
 △ The adhesive selected to bond the tiles depends on the tile type & substrate beneath the membrane
 ▷ Must be commissioned to British Standard recommendations prior to the installation of tiled finishes
 ◆ Prime with Mapei Eporip. Blind with kiln dried sharp sand whilst primer is still fresh. Remove excess sand by vacuum once Eporip is cured
 □ Prime with Eco Prim Grip or in continuous immersion prime with Mapei Eporip. Blind with kiln dried sharp sand whilst Eporip is still wet. Remove excess sand by vacuum once Eporip is cured

Mapeker Rapid Set Flex	Keraquick	Keraquick & Latex Plus	Granirapid
C2F	C2FT S1	C2FT S2	C2F S1
6mm	10mm	10mm	10mm
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	√	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	√	✓	✓
✓	✓	✓	✓
√	✓	✓	✓
✓	✓	✓	✓
	✓	✓	✓
✓ Moisture stable stone only	Moisture stable stone only	✓	✓
		✓	✓
✓	✓	✓	✓
✓ Prime with Primer G	✓ Prime with Primer G	✓ Prime with Primer G	✓ Prime with Primer G
✓	✓	✓	✓
	✓	✓	✓
✓	✓	✓	✓
	✓	✓	✓
	√□	√ □	✓ 🗆
√	✓	✓	✓
	✓	✓	✓
✓ Prime with Eco Prim Grip	✓	✓	✓
✓ Prime with Eco Prim Grip	✓ Prime with Eco Prim Grip	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
√● ■	√● ■	√● ■	√● ■
✓	✓	✓	✓
✓ Prime with Eco Prim Grip	✓ Prime with Eco Prim Grip	✓	✓
✓	✓	✓	✓
✓ Mechanically abrade and prime with Eco Prim Grip	✓ Mechanically abrade and prime with Eco Prim Grip	✓	✓
✓	✓	✓	✓
		√	
		<u>√</u>	
	√□	√□	✓ 🗆
✓ Prime with Eco Prim Grip	✓ Prime with Eco Prim Grip	✓	√
	√ ♦	✓	å
✓ Prime with Eco Prim Grip	✓ Prime with Eco Prim Grip	✓	✓ Prime with Eco Prim Grip

Chipboard must be free from surface coatings eg. green chipboard. The surface must be mechanically abraded to expose wood fibres. Vacuum all dust. Prime with Primer G
 Recommendation: Apply the Mapei Shower waterproofing kit
 Recommendation: Apply the Mapei Shower waterproofing kit or Mapelastic AquaDefense
 Waterproof with Mapelastic AquaDefense, Mapelastic or Mapelastic Smart
 Waterproof, if required, with Mapelastic or Mapelastic Smart

ADHESIVE SELECTOR: RAPID SETTING

		Elastorapid
EN 1200	04 classification	C2FTE S2
Maximu	m bed thickness	10mm
	Walls	✓
AREA	Floors	✓
AR	Interior	✓
	Exterior	✓
	Dry Areas	✓
	Splashbacks	✓
	Domestic light duty showers - 1.	✓
S	Domestic power showers - 2.	✓
CONDITIONS	Commercial showers - 3.	✓
듵	Wet rooms - 3.	✓
Š	Swimming Pools - 4.	✓
	Electric cable undertile heating (Heating cables should be encapsulated in a suitable Mapei self-levelling compound)	√
	Piped underfloor heating ▷	✓
ပ	Ceramic (porous bodied - biscuit)	✓
SAI	Ceramic (vitrified) / quarry tiles	√
TILE / MOSAIC Type	Porcelain (fully vitrified)	√
ÄĹ	Glass	√
≓	Natural Stone	√
	Agglomerate stone	√
Mapei w	vaterproof membranes	√
	Plaster	✓ Prime with Primer G
	Render	√
	Plasterboard	√
Ħ	Tilebacker board	√
WALL SUBSTRATE	Blockwork / brickwork (must be adequately flat. Render with Nivoplan / Planitop Fast 330 as necessary)	✓
.L.S	GRP / Fibreglass	√□
M	Concrete	✓
_	Plywood	✓
	Existing tiles	✓
	Painted surfaces (paint must be firmly bonded and strong enough to take the weight of tiling)	√
	Sand:cement screed	√
	Concrete Coloium pulphoto based coreado	V
	Calcium sulphate based screeds	√● ■
	Cement-based levelling compounds	<u>√</u>
ATE	Flooring grade asphalt Mapei Mapetex anti-fracture membrane (bond the Mapetex to the substrate using Keraquick & Latex Plus)	✓ ✓
FLOOR SUBSTRATE	Vinyl / rubber flooring (must be firmly bonded. Cushion flooring is unsuitable)	✓
	Plywood overlay	✓
9	Chipboard ▲	✓
ш	Tongue & Groove Floorboards	✓
	GRP / Fibreglass	✓□
	Existing tiled finishes	✓
	Mild steel / stainless steel	å
	Painted surfaces (paint must be firmly bonded)	✓

- Thoroughly mechanically abrade followed by vacuuming to remove all surface laitance
 Prime with Mapei Eco Prim T diluted 1:2 with water. Alternatively prime with Primer G
 △ = The adhesive selected to bond the tiles depends on the tile type & substrate beneath the membrane
 ▷ = Must be commissioned to British Standard recommendations prior to the installation of tiled finishes
 ◆ = Prime with Mapei Eporip. Blind with kiln dried sharp sand whilst primer is still fresh. Remove excess sand by vacuum once Eporip is cured
 □ = Prime with Eco Prim Grip or in continuous immersion prime with Mapei Eporip. Blind with kiln dried sharp sand whilst Eporip is still wet. Remove excess sand by vacuum once Eporip is cured

Ultraflex S2 Quick	Ultralite Rapid Flex S1	Ultralite S2 Quick
C2FT S2	C2FT S1	C2FE S2
10mm	15mm	10mm
✓	✓	✓
✓	✓	✓
✓	√	✓
✓	√	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	√	✓
✓	√	✓
✓	✓	✓
✓	√	✓
	✓	✓
✓	✓	✓
✓	√	✓
✓	✓	✓
✓	✓	✓
✓		✓
√	✓ Moisture stable stone only	✓ Moisture stable stone only
✓	✓	✓
✓ Prime with Primer G	✓ Prime with Primer G	✓ Prime with Primer G
✓	✓	✓
✓	✓	✓
✓	√	✓
✓	✓	✓
√ □	√ □	√ 🛮
√	<u> </u>	
√	√	✓
√	√	
✓	✓ Prime with Eco Prim Grip	✓
✓	✓	✓
✓	√	✓
√● ■	√● ■	√ ● ■
✓	✓	✓
✓	✓ Prime with Eco Prim Grip	✓ Prime with Eco Prim Grip
✓	✓	√ ·
✓	✓ Mechanically abrade and prime with Eco Prim Grip	✓
✓	✓	✓
✓		✓
✓		✓
✓ 🗆	✓□	√□
✓	✓	✓
√◆	√◆	å
✓	✓ Prime with Eco Prim Grip	✓

Chipboard must be free from surface coatings eg. green chipboard. The surface must be mechanically abraded to expose wood fibres. Vacuum all dust. Prime with Primer G
 Recommendation: Apply the Mapei Shower waterproofing kit
 Recommendation: Apply the Mapei Shower waterproofing kit or Mapelastic AquaDefense
 Waterproof with Mapelastic AquaDefense, Mapelastic or Mapelastic Smart
 Waterproof, if required, with Mapelastic or Mapelastic Smart

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