

Products for flooring



Products for flooring line

The floor coverings sector is constantly developing technologically advanced systems to guarantee increased durability and improved aesthetic effects.

In fact, more and more often, designers are demanding characteristics which are important for the durability of the floor covering, such as resistance to abrasion, impact, cracking and aggressive chemical substances, combined with functional aspects, such as their ease of cleaning and decorative finishes, to obtain floors which are also aesthetically pleasing.

Our research laboratories have developed two important product lines: **Mapefloor System**, a complete range of epoxy and polyurethane systems, and **Ultratop System**, a fast-setting and hardening, self-levelling cementitious system with which it is possible to install industrial floors and floors for civil use in showrooms, shops and flats. The range also includes admixtures for new floors and a variety of mortars for repairing old, existing floors.

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Selection table for cementitious and resin floor covering installation

TRAFFIC				CHEMICAL RESISTANCE				TYPE								THICKNESS	EPOXY RESIN	POLYURETHANE RESIN	POLYURETHANE CEMENT	CEMENTITIOUS
LIGHT	LIGHT TO MEDIUM	MEDIUM TO HEAVY	HEAVY	VERY HIGH	HIGH	NORMAL	LOW	DUST-REPELLENT	PAINT	MULTI-LAYER	SELF-LEVELLING	RESIN-BASED MORTAR	SCREEDS	DRY SCREED	TROWELLED	DECORATIVE				
•				•					•								from 0.8 to 1.2 mm	•		
	•			•					•								from 3 to 3.5 mm	•		
	•			•						•							from 2 to 4 mm	•		
•				•				•									from 0.6 to 1 mm	•		
	•						•		•								approx. 3 mm	•		
	•						•		•								approx. 5 mm	•		
	•						•			•							approx. 4 mm	•		
	•				•			•									from 60 to 100 µm	•		
	•				•			•									from 60 to 100 µm		•	
	•				•									•	•		from 1,5 to 3 mm	•		
	•			•									•				from 6 to 15 mm	•		
		•		•						•							from 3 to 4 mm		•	
		•	•								•						from 6 to 9 mm		•	
	•						•			•							from 5 to 40 mm			•
•							•			•					•		from 10 to 40 mm			•
•							•								•		from 15 to 40 mm			•

LEGENDA

(*) All **MAPEFLOOR SYSTEMS** may be coloured using **MAPECOLOR PASTE**, concentrated coloured paste for colouring the neutral base products in the systems

*** **N.B. MAPEFLOOR FILLER** must never be added to **MAPEFLOOR FINISH 52 W** when used on either anthracite or red **ULTRATOP**

N.B. - THIS TABLE IS MERELY INDICATIVE; FOR FURTHER INFORMATION, REFER TO THE TECHNICAL DATA SHEET FOR EACH PRODUCT

SELECTION TABLE FOR CEMENTITIOUS AND RESIN FLOOR COVERING INSTALLATION

5

CEMENTITIOUS AND RESIN FLOOR COVERING SYSTEMS	PRODUCTS TO BE USED IN THE VARIOUS SYSTEMS																
	PRIMER				RESINS					CEMENTITIOUS MORTAR	FINISH						
	PRIMER G	MAPEPRIM SP	PRIMER SN	MAPECOAT I 600 W	MAPEFLOOR I 300 SL	MAPEFLOOR I 500 W	MAPEFLOOR DECOR 700	MAPEFLOOR I 900	MAPEFLOOR CPU/MF	MAPEFLOOR CPU/HD	ULTRATOP	MAPECOAT I 600 W	MAPECOAT I 620 W	MAPEFLOOR FINISH 50	MAPEFLOOR FINISH 51	MAPEFLOOR FINISH 52 W	MAPEFLOOR I 300 SL TRP
														KERASEAL	MAPELUX LUCIDA	MAPELUX OPACA	MAPEFLOOR FILLER
																	DYNASTONE COLOR
																	QUARTZ 0.25
																	QUARTZ 0.5
																	QUARTZ 1.2
																	QUARTZ 1.9
MAPEFLOOR SYSTEM 31 (*)			●		●												***
MAPEFLOOR SYSTEM 32 (*)			●		●												***
MAPEFLOOR SYSTEM 33 (*)			●		●									●		□	***
MAPEFLOOR SYSTEM 34 (*)					●												***
MAPEFLOOR SYSTEM 51 (*)						●											***
MAPEFLOOR SYSTEM 52 (*)						●											***
MAPEFLOOR SYSTEM 53 (*)				●		●						●	●		●		***
MAPEFLOOR SYSTEM 61 (*)												●					
MAPEFLOOR SYSTEM PU 65 (*)													●				***
DECOR SYSTEM 70 (*)			●				●							●	●	●	***
MAPEFLOOR SYSTEM 91 (*)			●		●			●									***
MAPEFLOOR CPU/MF			●						●								
MAPEFLOOR CPU/HD										●							
ULTRATOP SYSTEM NATURAL	■	▲	●								●	●	●	●			***
ULTRATOP SYSTEM POLISHED	■	▲	●								●		●	●	●		***
ULTRATOP SYSTEM TERRAZZO	■	▲	●								●				●	□	***

■ Primer to be used on cementitious substrates as an alternative to **PRIMER SN**

● The various alternative finishing products must be used according to the strength characteristics required and the aesthetical effect required

● Products required for each system and their relative properties

▲ Primer to be used on ceramic and natural stone substrates as an alternative to **PRIMER SN**

□ Metallic wake to be used in alternation, according to the aesthetic effect required



Admixtures for preparing concrete floors

Dynamon SX

Superplasticizer based on modified acrylic polymer for concrete with strong water reduction for traditional and self-compacting concrete.

Dynamon SX is a high performance admixture based on modified acrylic polymer.

Dynamon SX is especially suitable for the ready mix concrete industry and wherever a strong water reduction is required along with an excellent slump retention and development of mechanical strengths of the mixture.

Dynamon SX, in combination with the viscosity modifying agents

Viscofluid SCC or **Viscofluid SCC/10**, can produce self-compacting concrete without bleeding and segregation.

Add **Dynamon SX** directly to the mixture after all the other ingredients (cement, aggregates, water).

Dosage

0.5-2 l per 100 kg of cement for traditional concrete or on fine parts (0.1 mm diameter) for self-compacting concrete.

Packaging

200 l drums - 1000 l tanks.
Also available in bulk on request.



Dynamon SP1

Superplasticiser based on modified acrylic polymer for precast concrete with low water/cement ratio and very high mechanical strengths at early and final age.

Dynamon SP1 is a modified acrylic-based high performance admixture.

Dynamon SP1 is especially suitable for precast concrete and wherever a strong water reduction is required, along with good early age strength, for all workability classes and curing temperature above +15°C or with steam curing.

Dynamon SP1 is also suitable for producing self-compacting concrete.

The high-range water reduction of **Dynamon SP1**, in fact, allows to produce high-flowable concretes without reducing the hardening process at early age. In order to avoid segregation of self compacting concrete, **Dynamon SP1** should be used in combination with the viscosity modifying agents

Viscofluid SCC or **Viscofluid SCC/10**.

Add **Dynamon SP1** directly to the mixture after all the other ingredients (cement, aggregates, water, filler and pozzolanic material).

Consumption

0.6-1.2 l per 100 kg of cement for traditional concrete or on fine parts (0.1 mm diameter) for self compacting concrete.

Packaging

200 l drums - 1000 l tanks.
Also available in bulk on request.



External loading area of a shopping centre – Casteletto Ticino (Novara) - Italy
Installation of the concrete floor strengthened using:
MAPECRETE SYSTEM (DYNAMON SX, EXPANCRETE, MAPECURE SRA)

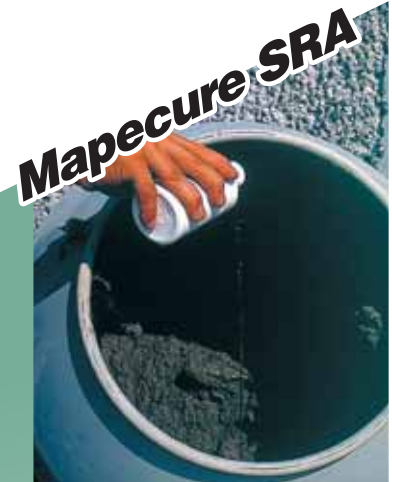


Expancrrete

Expansive agent for concrete.
Expancrrete is a powder admixture used to manufacture shrinkage-compensated concrete and mortars.
Expancrrete is suitable for water tight castings and castings that require a contrast to concrete hygrometric shrinkage (water tanks, piping, floors, etc.).
Add **Expancrrete** to the mixer at the same time as the other ingredients (cement, aggregates, water).
Expancrrete is used only for reinforced concrete.

Consumption
from 5 to 8 kg per 100 kg of cement.

Packaging
20 kg drums. 10 kg water soluble bags.
Also available on request in big bags or bulk.



Mapecure SRA

Curing admix with the property of reducing hydraulic shrinkage and the formation of micro-cracking.
Mapecure SRA is a special, chloride-free liquid admix, specially developed to drastically reduce final hydrometric shrinkage of repair mortar from the **Mapecrout** range, standard or self-compacting concrete and repair concrete mixed using **Stabilcem CC** in order to eliminate cracking.
The best results are obtained when **Mapecure SRA** is mixed with controlled-shrinkage repair mortar or in combination with concrete which contains **Expancrrete**. It allows these systems to expand even further during the first few days of hardening whether they are damp-cured or air-cured. When **Mapecure SRA** and **Expancrrete** are used together, there is the combined effect of the advantages of each single product, which are greatly amplified to guarantee that mortar and concrete perform far better than traditional cementite systems. **Mapecure SRA** is compatible with all traditional, naphthalene sulphonate-based super-plasticising adhesives from the **Mapecrfluid** range, acrylic admixes from the **Dynamon** range and with all types of cement according to EN 197/1.

Consumption
– mortar: 0.25-0.5% in weight of the mix;
– concrete: 5-8 l/m³.

Packaging
20 kg drums;
0.25 kg bottles.



Dynamon Floor 2



New generation acrylic-based superplasticizer for concrete floor, in warm climates.
Dynamon Floor 2 is a superplasticizing admixture based on acrylic polymers especially formulated for making concrete floors in warm climatic conditions. In fact, **Dynamon Floor 2** is used for manufacturing concretes with high workability and long slump retention. At the same time they offer excellent mechanical performance when hardened. Add **Dynamon Floor 2** in the mixer after all the other ingredients (cement, aggregate, water). **Dynamon Floor 2** can also be directly added on the jobsite immediately before placing the concrete.

Consumption
 0.8-2 l per 100 kg of cement.

Packaging
 200 l drums - 1000 l tanks.
 Also available in bulk on request.



Dynamon Floor 1



New generation acrylic-based superplasticizer for concrete floor.
Dynamon Floor 1 is a superplasticizing admixture based on acrylic polymers especially formulated for making concrete floors. In fact **Dynamon Floor 1** is used for manufacturing concretes that are easy to place in the fresh stage and have high mechanical strengths when cured producing concrete hydration development in order to rapidly finish floors even in severe climates. Add **Dynamon Floor 1** in the mixer after all the other ingredients (cement, aggregate, water). **Dynamon Floor 1** can also be directly added on the jobsite immediately before placing the concrete.

Consumption
 0.8-2 l per 100 kg of cement.

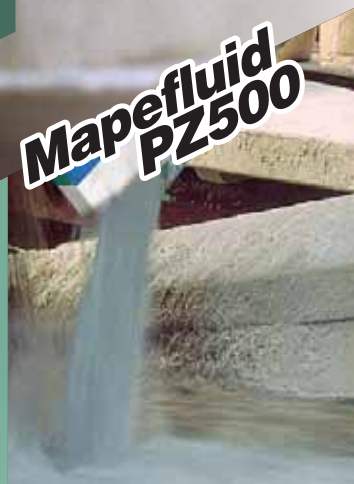
Packaging
 200 l drums - 1000 l tanks.
 Also available in bulk on request.



HIGH-SPEED RAILWAY
 MILAN-TURIN - Italy
 Products used: DYNAMON
 SR2, DYNAMON SR1

Installation of screeds

Mapefluid PZ500



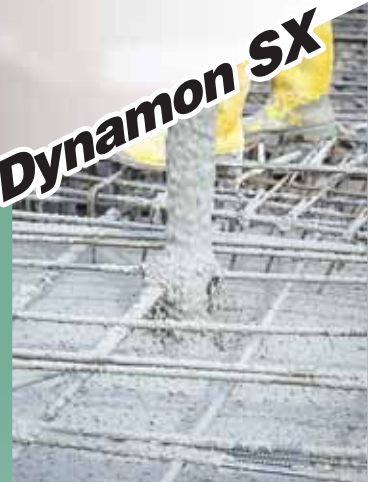
Superplasticiser with pozzolanic effect for high quality and chemical resistant mortar and concrete.
Mapefluid PZ500 is used to produce durable concrete that is resistant to sulphate attack (water and soil), chlorinated water and carbon dioxide.
Mapefluid PZ500 can compensate for low cement factor aiding pumping operations and reducing any risk of segregation.
Mapefluid PZ500 is also suitable to produce no-slump concrete for screeds, by just reducing the w/c ratio.
Mapefluid PZ500 improves all properties of the concrete. It provides a better cohesion of the fresh concrete, higher mechanical strengths, better waterproofing and durability against liquid and gaseous aggressive agents.
Mapefluid PZ500 must be added to the dry components of the mix (cement and aggregate) before the batching water.
The Mapefluid PZ500 mix is placed and worked like normal concrete.

Dosage
 20-60 kg/m³ of mix.

Packaging
 11 kg bags.
 800 kg big bags are available on request.



Dynamon SX



Superplasticizer based on modified acrylic polymer for concrete with strong water reduction for traditional and self-compacting concrete.
Dynamon SX is a high performance admixture based on modified acrylic polymer.
Dynamon SX is especially suitable for the ready mix concrete industry and wherever a strong water reduction is required along with an excellent slump retention and development of mechanical strengths of the mixture.
Dynamon SX, in combination with the viscosity modifying agents **Viscofluid SCC** or **Viscofluid SCC/10**, can produce self-compacting concrete without bleeding and segregation.
Add Dynamon SX directly to the mixture after all the other ingredients (cement, aggregates, water).

Dosage
 0.5-2 l per 100 kg of cement for traditional concrete or on fine parts (0.1 mm diameter) for self-compacting concrete.

Packaging
 200 l drums - 1000 l tanks.
 Also available in bulk on request.



Mapefluid N200



Superplasticiser for concrete.

Mapefluid N200 is used to manufacture concrete with high fluidity (consistency class S4 and S5 according to EN 206-1) and a high performance in service.

Mapefluid N200 is suitable for all those applications (precast, ready mix and pumpable concrete) that require a long period of workability and a low w/c ratio.

Mapefluid N200 can also be used for manufacturing no-slump concrete for screeds, by just reducing the w/c ratio.

Mapefluid N200 is a brown-coloured liquid admixture with a base of active polymers in water solution that disperse cement grains. Add **Mapefluid N200** directly to the mixture after all the other ingredients (cement, aggregates, water).

Mapefluid N200 can also be diluted into the mixing water beforehand but its superplasticising action is less effective.

Dosage

0.5 to 1.5 l per 100 kg of cement.

Packaging

200 l, 25 and 10 kg drums - 1000 l tanks. Also available in bulk on request.



Mapecem



Special fast setting hydraulic binder for the preparation of fast-drying screeds (24 hours) with controlled shrinkage.

Formation of floating and bonded screeds on both existing and new slabs for the installation of moisture-sensitive floors (wood, PVC, linoleum, carpet, rubber) or any other flooring where fast-drying for a rapid laying is required.

Mapecem must always be mixed with graded aggregates. Bonded screeds (up to 35 mm thick) and patching require the application of an anchoring slurry made up of **Mapecem** and **Planicrete**. For floating screeds (at least 4 cm thick) lay a polyethylene sheet beforehand; for a thickness of 4-5 cm the aggregates must be graded from 0 to 8 mm in diameter.

Consumption

3.5-4.5 kg/m² per cm of thickness.

Packaging

20 kg bags.



Mapecem Pronto



Ready-to-use pre-packed mortar for fast-setting and drying (24 hours) screeds with controlled shrinkage.

Formation of both floating and bonded screeds on existing and new slabs for the installation of ceramic tiles, stone material, wood, rubber, carpet or any other type of flooring where fast drying or immediate laying is required.

Mapecem Pronto is ready-to-use and must be mixed just with water.

Mapecem Pronto is the ideal solution where good quality graded aggregate is hard to find or for job sites such as those in city centres where the logistics involved in mixing conventional binders can be difficult. It can be used for screeds in interiors and exteriors. Bonded screeds and patching (thicknesses less than 3.5 cm) require the application of an anchoring slurry made up of **Mapecem Pronto** and **Planicrete** beforehand. Floating screeds (thicknesses more than 3.5 cm) must be laid over a polyethylene sheet.

Consumption

20-25 kg/m² per cm of thickness.

Packaging

25 kg bags.





Topcem



Normal setting rapid-drying (4 days) special hydraulic binder for screeds.
Formation of floating and bonded screeds on old and new slabs for the installation of wood, PVC, linoleum, ceramic tiles, natural stone, carpets or any other flooring where rapid drying is required for short installation times.
Suitable for interior and exterior use.
Topcem, mixed with suitably graded aggregates and water, hardens within 24 hours and is completely dry, whatever the thickness, within 4 days.

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

Packaging
20 kg bags.



SISTINE HALLS - Vatican City
Products used: GRANIRAPID, ULTRACOLOR and MAPEFLEX PU21 were used to install porcelain tiles over MAPECEM screed

Topcem Pronto



Ready-to-use, pre-packed, normal-setting mortar with controlled shrinkage for fast-drying screeds (4 days).

Formation of floating and bonded screeds on new or old slabs for the installation of moisture-sensitive flooring (wood, PVC, linoleum, carpet, rubber, etc.) or any other type of flooring where fast-drying screeds are required for a rapid laying.

Topcem Pronto is ready-to-use. Just mix with water.

Topcem Pronto is the ideal solution where good quality graded aggregate is hard to find or for city centres where the logistics involved in mixing conventional binders can be difficult.

Topcem Pronto can be used in interiors and exteriors for screeds up to 60 mm thick. Bonded screeds and patching (less than 40 mm thick) require the application, beforehand, of a bonding slurry of **Topcem Pronto** and **Planicrete**. Floating screeds (more than 40 mm thick) must be poured over polyethylene sheeting.

Consumption
18-20 kg/m² per cm of thickness, depending on tamping.

Packaging
25 kg bags.



Curing and shrinkage-reduction agents

Mapecure CA



Solvent-based film-forming curing compound for mortars and concrete; may be painted over.

Mapecure CA is used as a solvent-based curing compound for renders, cementitious mortars and fresh concrete, to minimize crazing during the plastic phase due to the rapid evaporation of the mixing water caused by wind and sunlight. **Mapecure CA** is a product based on resins in organic solvents which forms a uniform film on concrete that is impermeable to water and air.

The product is in compliance with UNI 8657 and UNI 8658 for film-forming products for the protection of concrete. **Mapecure CA** should be applied evenly and thinly by roller or spray with a manual pump or compressed air on the mortar or concrete surface. For concrete formwork **Mapecure CA** must be applied immediately after demoulding.

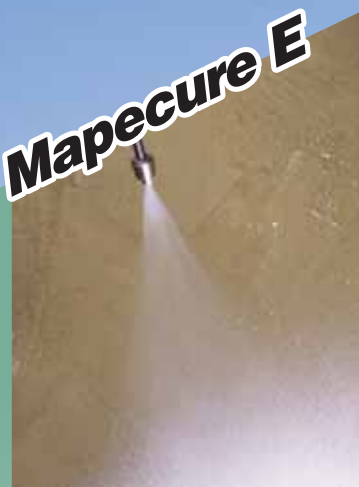
Mapecure CA is ready-to-use, therefore must never be diluted with solvents. Mix the product well before application.

Dosage
110-150 g/m².

Packaging
10 kg drums.



Mapecure E



Curing compound in water emulsion.

Mapecure E is used to protect fresh concrete from rapid water evaporation caused by wind or sunlight. Its use is especially suitable for floors, airport runways, hydraulic structures and highways to avoid cracking due to plastic shrinkage.

Mapecure E forms a slightly elastic film over the concrete that is watertight and vapour-proof.

Mapecure E is supplied in a white water emulsion that can be applied pure or diluted 1:1 with water. It can be applied with a manual back-pack pump or with a low pressure compressed air gun. Application: spray.

Consumption
– full-strength: 70 to 100 g/m².
– diluted: 1:1 in volume with water: 140 to 200 g/m².

Packaging
25 kg drums;
200 l drums;
1000 l tanks.



Mapecure S

Solvent-based film-forming curing compound for mortars and concrete. **Mapecure S** is used as a solvent-based curing compound for renders, cementitious mortars and fresh concrete, to minimize the formation of cracks produced by rapid evaporation of the mixing water caused by wind and sunlight. The use of **Mapecure S** is especially suitable for industrial floorings, airport runways, hydraulic structures and highways.

Mapecure S is a product based on resins in organic solvents that form a uniform film over concrete, impermeable to water and air. The product is in compliance with UNI 8657 and UNI 8658 for film-forming products for the protection of concrete. **Mapecure S** must be applied by roller or sprayed with manual pumps or compressed air onto the surface of the mortar or concrete in a thin uniform layer. For formwork concrete, **Mapecure S** must be applied immediately after stripping. **Mapecure S** is ready-to-use, therefore must never be diluted with solvents. Carefully mix the product before its application.

Consumption
100-110 g/m².

Packaging
24 kg drums;
200 l drums.



Biblock

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

Biblock is a transparent, epoxy impregnation product, which is particularly recommended to guarantee good curing of concrete used for laying industrial floors, access ramps, runways, canals, storage tanks, etc.

To function correctly, **Biblock** must be applied on concrete which is still fresh. Due to its capability of penetrating into absorbent materials, **Biblock** may be used as a consolidator and anti-dust treatment for cementitious screeds and mechanically weak industrial floors.

Biblock is supplied in kits of two pre-weighed components, which must be mixed together until they are completely homogenous and then be diluted with up to 20% of water, before application.

Biblock is easy to apply by brush, roller or by spraying, on either horizontal or vertical surfaces, which must be clean and free of crumbly or loose parts.

Consumption
approximately 100-150 g/m² according to the absorbency of the substrate.

Packaging
5 kg kits (A+B).



Mapecure SRA

Curing admix with the property of reducing hydraulic shrinkage and the formation of micro-cracking.

Mapecure SRA is a special, chloride-free liquid admix, specially developed to drastically reduce final hydrometric shrinkage of repair mortar from the **Mapecrout** range, standard or self-compacting concrete and repair concrete mixed using **Stabilcem CC** in order to eliminate cracking.

The best results are obtained when **Mapecure SRA** is mixed with controlled-shrinkage repair mortar or in combination with concrete which contains **Expancrete**. It allows these systems to expand even further during the first few days of hardening whether they are damp-cured or air-cured. When **Mapecure SRA** and **Expancrete** are used together, there is the combined effect of the advantages of each single product, which are greatly amplified to guarantee that mortar and concrete perform far better than traditional cementite systems. **Mapecure SRA** is compatible with all traditional, naphthalene sulphonate-based super-plasticising adhesives from the **Mapecfluid** range, acrylic admixes from the **Dynamon** range and with all types of cement according to EN 197/1.

Consumption
– mortar: 0.25-0.5% in weight of the mix;
– concrete: 5-8 l/m³.

Packaging
20 kg drums;
0.25 kg bottles.



Repairing screeds and concrete floors

Planicrete



Synthetic rubber latex for improving adhesion of cementitious mortars.
Planicrete is a latex based on synthetic polymers, which cannot be re-emulsified in water after hardening and are also resistant to saponification.
When added to mortars, screeds and renders, it increases mechanical strength and adhesion to the substrate.
For the preparation of bonding slurries, dilute 1 part of **Planicrete** with 1 part of water and then mix the solution with 3 parts of cement, while for the preparation of renders and screeds, dilute 1 part of **Planicrete** with 2 or 3 parts of water. Mix with sand and cement, then place it.

Consumption

- for the preparation of bonding slurries: from 100 to 150 g/m²;
- for the preparation of screeds and renders: from 50 to 80 kg/m³.

Packaging

25, 10, 5 and 1 kg drums.



Road maintenance work - Chayenay sur Seine - France
Repairing a man-hole using: MAPEGROUT SV

Mapegrout SV

Fast-setting hand hardening, controlled-shrinkage easy flow mortar for repairing concrete and fastening drains, manhole covers and roadwork fittings in place.

Mapegrout SV is used for repairing highly-deteriorated concrete structures, by pouring the product into formworks positioned around the said structure. It may also be used for repairing floors for industrial use, and for construction works on roads and in airports which need to be reopened to traffic quickly.

Thanks to its short setting time, **Mapegrout SV** is particularly suitable for quickly fixing inspection wells, manhole covers and drain covers in place.

Made up of cementitious binders and special additives, **Mapegrout SV** is prepared by blending the contents of one 25 kg bag of the product with 3.0-3.25 l of water, according to the consistency required.

Once prepared, the mortar is poured into the areas to be filled or into the formworks. With **Mapegrout SV**, repair work or fills of up to 50 mm in thickness may be carried out.

If the layer to be installed is thicker than 50 mm, we recommend adding 40% of **Gravel 6-10** mortar gravel, and to blend the mix with approximately 3.5 l of water. Areas repaired with **Mapegrout SV** may be opened to traffic approximately 2 hours after pouring, at a temperature of +20°C. **Mapegrout SV** meets the minimum requirements of EN 1504-3 standards for R4-class structural mortar.

Colours
available in grey and black.

Consumption
– applied neat: 20 kg/m² per cm of thickness;
– used with 40% of gravel in the mix: 14.5 kg/m² per cm of thickness (5.7 kg/m² of **Gravel 6-10**).

Packaging
25 kg bags.



Mapegrout SV T

Quick-setting, shrinkage-controlled, thixotropic mortar for repairing concrete, fixing drains, manholes and urban fixtures.

Mapegrout SV T is used for repairing highly deteriorated in-situ concrete elements, both vertical and horizontal, without the use of formwork. It may also be used for repairing industrial floors, and for construction work on roads and in airports which need to be reopened to traffic quickly. The rapid hardening properties of **Mapegrout SV T** are particularly suitable for reinstating, inspection wells, manholes and drain covers. Containing cementitious binders, selected inert materials and special additives, **Mapegrout SV T** is prepared by blending the contents of one 25 kg bag of the product with 3.1-3.4 litres of water.

After preparation, **Mapegrout SV T** may be applied by trowel for repairs up to 50 mm thick. **Mapegrout SV T** may be opened to traffic approximately 2 hours after placing, at a temperature of +23°C. **Mapegrout SV T** meets the minimum requirements of EN 1504-3 standards for R4-class structural mortar.

Colours
available in grey and black.

Consumption
20 kg/m² per cm of thickness.

Packaging
25 kg bags.



Planigrout 300



Fluid three-component epoxy mortar for the reparation of damaged concrete structures, precision fastening and reinforcement of industrial floorings.

Planigrout 300 is used for repairing damaged concrete structures, for example overhead and bridge-crane runways in industries and shipyards. More in general, for evening-out concrete surfaces in areas that are difficult to reach. Thanks to the fact that **Planigrout 300** hardens without shrinking, the product can be used as a mortar for precision fastening.

Planigrout 300 can also be used for preparing industrial floorings with very high mechanical strength, such as workshops, garages and warehouses subject to intense rubber wheel trolley traffic.

First mix part A with part B, then, after adding part C, remix until a homogeneous lump-free mixture is obtained.

Consumption

2 kg/m² per mm of thickness.

Packaging

30.5 kg units (A+B+C):

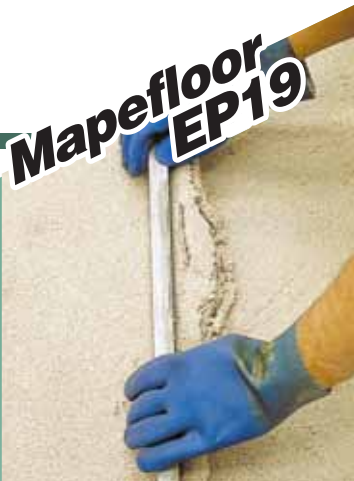
- part A: 4 kg
- part B: 1.5 kg
- part C: 25 kg

12.2 kg units (A+B+C):

- part A: 1.6 kg
- part B: 0.6 kg
- part C: 10 kg



Mapecolor EP19



Three-component acid-resistant epoxy mortar for thick wear-resistant applications.

Mapecolor EP19 is used as an acid-resistant, wear-resistant protection of concrete structures, for example bearings for crane and bridge crane runways, beds for sewage treatment machinery, ramps, etc.

Mapecolor EP19 is suitable for rebuilding the corners of expansion joints in damaged industrial concrete flooring due to the impact of trucks, forklifts, etc.

Prepare **Mapecolor EP19** by mixing parts A and B, then while mixing, add part C (the powdered component).

Apply **Mapecolor EP19** with a flat trowel or helicopter.

Saturate the surface, using a towel, with **Primer MF** or **Mapecolor I 300 SL**, epoxy resins that must be charged with

Quartz 0.25 sand. A coloured coat can be obtained with **Mapecolor I 24**, epoxy resin, that can be applied with a roller.

Consumption

- **Primer MF** (applied with a trowel or roller): 0.200-0.300 kg/m²;
- **Mapecolor EP19** (applied with a trowel or helicopter): 20 kg/m² per 1 cm of thickness;
- **Primer MF** or **Mapecolor I 300 SL**: 0.300-0.400 kg/m² (when **Mapecolor EP19** is applied with a helicopter);
- **Primer MF** or **Mapecolor I 300 SL**: 0.400-0.600 kg/m² (when **Mapecolor EP19** is applied with a trowel);
- **Mapecolor I 24**: 300 g/m².

Packaging

- **Mapecolor EP19**: 10 kg (A+B+C);
- **Primer MF**: 1 kg (A+B); 6 kg (A+B);
- **Mapecolor I 24**: 5 kg (A+B);
- **Mapecolor I 300 SL**: 10 kg (A+B).



"Pupa" discount outlet - Barberino del Mugello (Florence) - Italy
Restoration of the old floor using:
MAPEFLOOR SYSTEM 91 (PRIMER SN, QUARTZ 0.5, QUARTZ 1.9,
MAPECOLOR PASTE, MAPEFLOOR I 900, MAPEFLOOR I 300 SL)



Mapecolor I 900

Two-component epoxy resin, particularly recommended for the installation of floors which are resistant to acids and wear caused by the passage of heavy traffic, such as lorries and forklift trucks.

Mapecolor I 900 is used for the **Mapecolor System 91** (multi-layered epoxy system for thicknesses from 6 to 15 mm, for medium to heavy traffic) to create protective coatings for concrete industrial floors, car parks and garages, which are resistant to acids and the wear caused by heavy traffic.

Mapecolor I 900 may also be used to flatten out slopes and to repair horizontal surfaces, such as concrete floor slabs, foundations, ramps, the corners of expansion joints and beam joints. After mixing the two components together, add **Quartz 1.9** (selected graded aggregates), until a uniform mix similar to damp earth is obtained. Pour the mix onto the substrate, treated beforehand with **Primer SN**, making sure that the bonding agent is still "fresh". The product may be spread out with the help of an aluminium straightedge and rakes. If the product is used as a coating for floors, it must be smoothed off with a special vibro-tamping machine while the material is still "fresh". If it is used as a roughing mortar, it may be levelled off by beating it firmly with a trowel or a float.

Mapecolor I 900 may be coloured with **Mapecolor Paste**.

Consumption

depending on the thicknesses to be applied.

Packaging

15 kg drums (A + B).



Mapecolor I 910

Two-component epoxy primer for mortar applied by trowel or as a bonding promoter for resin coatings. Mapecolor I 910 may be used as either a bonding promoter for resin coating coats or as a binder when mixing mortar applied by trowel when installing industrial floors or for when levelling off irregular layers or slopes in concrete floors.

The two components which make up **Mapecolor I 910** must be mixed together using a drill fitted with a low-speed stirrer, until a homogenous blend is obtained. Once mixed, the product must be spread on uniformly using either a long-haired roller or a smooth trowel when used as a primer for resin 600 kg units (A + B). Coats, or blended with **Quartz 1.9** at a ratio of up to a maximum of 1 : 13 to obtain mortar with a consistency similar to damp earth.

Consumption

- used as a primer: 0.3-0.5 kg/m², according to the absorbency of the substrate;
- used for preparing mortar: depending on the thicknesses to be applied.

Packaging

15 kg drums (A + B).



Eporip



Two-component epoxy based adhesive for cold joints and monolithic sealing of cracks in screeds.

Eporip is used to bond "fresh" concrete to old concrete, **Mapecem** screeds or **Ultratop** flooring with a cementitious substrate.

It can also be used, by pouring, to seal cracks in floors and to make rigid waterproof joints.

Eporip is supplied as two pre-measured components which must be mixed together until completely homogeneous.

Eporip has low viscosity and is easily applied with a brush both horizontally and vertically onto perfectly clean and solid substrates. Concrete should be poured within 3 hours after applying **Eporip** (at temperatures around +20°C).

Consumption

- cold joints: 0.5-2 kg/m²;
- sealing of cracks: 1.35 kg/dm³ of cavity to be filled.

Packaging

10 kg (A+B) and 2 kg (A+B).



Eporip Turbo



Very fast hardening two-component polyester resin.

Applications:

- sealing cracks in screeds;
- by adding dry sand, **Eporip Turbo** can be used to manufacture mortars for small repairs.

Eporip Turbo hardens in approximately 20 minutes.

Consumption

1.7 kg per dm³ of cavity to be filled.

Packaging

508 g metal jars
(Part A: 500 g; Part B: 8 g).



Artemio Franchi Municipal stadium - Florence - Italy
Reparation of the concrete flight of stairs with:
MAPEFER, EPORIP, MAPEGROUT T40, MAPEFINISH,
MAPEFLEX PU30, MAPEFLEX PB27

Epojet

Two-component superfluid epoxy resin for injection.

Epojet is used for monolithic repair of structures which have cracked due to overloading, impact, earthquakes etc; it is also used for bonding and structural strengthening by low pressure injection and for sealing cracks in cement screeds.

Epojet is a solvent-free epoxy adhesive, consisting of two pre-measured components to be mixed together with an electric stirrer prior to use. After mixing, **Epojet** becomes a low viscosity liquid ideal for injection.

Epojet polymerizes without shrinkage and is waterproof after hardening.

For monolithic repair of degraded structures, inject **Epojet** into the cracks with a pump. Horizontal cracks in screeds can be sealed simply by pouring **Epojet** directly into them.

Consumption

- sealing of cracks:
1.1 kg/dm³ of cavity to be filled;
- bonding concrete-steel:
1.1 kg/m² per mm of thickness.

Packaging

4 kg (A+B) and 2.5 kg (A+B).



Epojet LV

Two-component very low viscosity epoxy resin for injection in micro cracks.

Epojet LV is used to attribute the monolithic nature to cracked structures and for bonding and structural strengthening of concrete and masonry elements by low pressure and/or at atmosphere pressure injection. The product can be used for sealing cracks in cementitious screeds.

Epojet LV is a solvent-free, low viscosity, two-component epoxy adhesive. After mixing, **Epojet LV** becomes an extremely fluid liquid ideal for injection.

Epojet LV polymerises without shrinkage and is waterproof after hardening. For monolithic repair of damaged structures, inject **Epojet LV** into the cracks with a low pressure or at atmosphere pressure pump. Horizontal cracks in screeds can be sealed by pouring **Epojet LV** directly into them.

Consumption

- sealing cracks:
1.1 kg/dm³ of cavity to be filled;
- bonding concrete-steel:
1.1 kg/m² per mm of thickness.

Packaging

4 kg (A+B) and 2.5 kg (A+B).



Mapegrout T60

Sulphate-resistant thixotropic fibre-reinforced mortar for the repair of concrete.

Use **Mapegrout T60** to repair damaged concrete surfaces such as balconies and corners of columns and beams.

Mapegrout T60 is also recommended for repair work in tunnels, canals and water works in general.

Mapegrout T60, mixed with about 16% water, and 0.25 of **Mapecure SRA** forms a very workable mortar with a thixotropic consistency that is easily applied on vertical surfaces without shuttering.

The product may be used without adding **Mapecure SRA**, when environmental conditions permit excellent curing.

Mapegrout T60 is applied by trowel, float or sprayer onto damp substrates that are sound, rough and free of loose particles, and been saturated with water beforehand.

Repairs up to 40 mm thick in a single coat can be made.

Mapegrout T60 meets the minimum requirements of EN 1504-3 standards for R4-class structural mortar.

Consumption

18.5 kg/m² per cm of thickness.

Packaging

25 kg bags.





Mapegrout FMR

Two-component shrinkage compensated sulphate resistant thixotropic mortar to be reinforced with flexible metal alloy fibres, particularly suitable for the repair of concrete structures where more ductility is required.

Use **Mapegrout FMR** to repair damaged concrete structures such as tunnels, highways, road and train viaducts, dam spillways, overflow canals, industrial flooring and ramps.

When mixed with **Fibres FF** (inoxidizable flexible fibres composed of a special amorphous metal alloy of iron-chrome) and water, **Mapegrout FMR** becomes an easily workable mortar. Thanks to the excellent thixotropic property of **Mapegrout FMR**, it can be applied on vertical surfaces even in great thicknesses without formwork.

Fibres FF are available in water-soluble bags, net weight 375 g each. Mix ratio: 1 bag of **Fibres FF** per 25 kg bag of the powder product.

Mapegrout FMR is applied by trowel or a render sprayer (e.g. Turbosol or Putzmeister) after the surface has first been saturated with water, in a maximum thickness of 50 mm per coat.

To improve open-air curing and further reduce shrinkage, **Mapegrout FMR** can be mixed with 0.25% by weight of **Mapecure SRA**, curing agent.

Mapegrout FMR, with the addition of **Fibres FF**, meets the minimum requirements of EN 1504-3 standard for R4-class structural mortar.

Consumption

19 kg/m² per cm of thickness.

Packaging

25 kg bags + 375 g water-soluble bags of **Fibres FF**.



Fibre FF

Inoxidizable flexible fibres in amorphous iron and chrome alloy to be added to Mapegrout FMR to improve its ductility.

Fibres FF are composed of a special amorphous iron and chrome alloy. The flexibility and high aspect ratio (length/diameter) of **Fibres FF** make mortars highly ductile and shock resistant. All the **Mapegrout** range mortars can be reinforced with the addition of 1.0-1.5% **Fibres FF** by weight (approximately 20-30 kg/m³ of prepared mortar) of the dry ready mix.

Consumption

375 g per 25 kg bag of **Mapegrout FMR**.

Packaging

375 g water-soluble bags.



Mapegrout BM



Two-component thixotropic cementitious mortar with low modulus of elasticity for the repair of concrete.

Mapegrout BM is recommended for surface repair of damaged concrete subject to small deformation under loads, to thermal cycles or especially adverse weather conditions.

Mapegrout BM is recommended also for repairing concrete beams, columns, balconies, and precast concrete sections. **Mapegrout BM** has excellent waterproofing properties and is therefore recommended for repairing canals, water tanks and hydraulic projects in general.

Mapegrout BM, because of its low modulus of elasticity, is recommended for the repair of concrete with moderate mechanical strength.

Mapegrout BM is applied with trowel or spray even on vertical surfaces or ceilings without formwork in a maximum thickness of approx. 35 mm per layer.

The substrate must be sound, compact and rough. Before applying **Mapegrout BM**, the surface to be repaired should be saturated with water.

Mapegrout BM may be mixed with 0.25% in weight of **Mapecure SRA**, curing agent. **Mapegrout BM** meets the minimum requirements of EN 1504-3 standards for R4-class structural mortar.

Consumption

approx. 21 kg/m² per cm of thickness.

Packaging

25 kg bags;
4.7 kg drums.



Mapegrout Hi-Flow



Controlled-shrinkage fibre-reinforced fluid mortar for concrete repair.

Use **Mapegrout Hi-Flow** for the repair of very damaged concrete structures where the use of fluid mortars is recommended. Made of cement binders, selected graded aggregate special additives and synthetic fibres, **Mapegrout Hi-Flow** is prepared by mixing a 25 kg bag with 12.5-13.5 and 0.25% of **Mapecure SRA**.

The product may be used without adding **Mapecure SRA**, when environmental conditions permit excellent curing. The mix is poured into sealed formwork. Care must be taken to let air escape in order to prevent air-bubbles. Thicknesses up to 2 cm can be repaired with **Mapegrout Hi-Flow**. For greater thicknesses, the addition of appropriately graded aggregate is recommended. **Mapegrout High-Flow** meets the minimum requirements of EN 1504-3 standards for R4-class structural mortar.

Consumption

21 kg/m² per cm of thickness.

Packaging

25 kg bags.



Stabilcem



Very fluid expanding cementitious binder for the preparation of injection slurries, mortars and concrete.

Use **Stabilcem** to prepare shrinkage-compensated injection slurries, mortars and concrete.

Stabilcem can be used for filling cavities and cracks into rock and brickwork and for filling internal porosity of concrete. Due to its characteristics, self-levelling concretes obtained with **Stabilcem** can be pumped under high mechanical pressure without any risk of segregation.

Mix **Stabilcem** with appropriately graded aggregate, depending on the type of work to be carried out, and then add water. Mix until completely homogeneous, then apply the product.

To improve open-air curing and further reduce shrinkage, **Stabilcem** can be mixed with 5 to 8 l/m³ of **Mapecure SRA**, curing agent.

Consumption

- injection slurry: 1.6 kg/dm³ of cavity to be filled;
- mortar: 350-550 kg/m³;
- concrete: 300-400 kg/m³.

Packaging

20 kg bags.



Gravel 3-5 Gravel 6-10



Gravel 3-5 and **Gravel 6-10** are selected and graded in a range of 3 to 5 mm and 6 to 10 mm respectively, and are used for preparing castable mortar poured into formwork for thicknesses of more than 2 cm.

Gravel 3-5 is a silica-based stone aggregate selected and graded in a range of from 3 to 5 mm, and is used for mixing mortar from the **Mapegrout** range when the thickness to be repaired is more than 2 cm.

Gravel 6-10 is a silica-based stone aggregate selected and graded in a range of from 6 to 10 mm, and is used for mixing repair mortar such as **Mapegrout Colabile** or expanded mortar such as **Mapecure** when the thickness to be repaired is more than 2 cm.

Consumption

Gravel 3-5:

30-100% of the weight of the pre-blended mix, according to the thickness to be repaired and the fluidity required.

Gravel 6-10:

30-100% of the weight of the pre-blended mix, according to the thickness to be repaired and the fluidity required.

Packaging

Gravel 3-5: 25 kg bags;

Gravel 6-10: 25 kg bags.



Consolidating concrete floors

Prostas



Solvent-free silicate based consolidating compound for cementitious substrates.

Where to use:

Consolidation of cementitious substrates with poor consistency even in depth, hardening cementitious screeds that tend to crumble on the surface. To prevent the formation of an anti-adhesive film, sprinkle dry sand on the surface of the final coat to facilitate bonding of the next treatment. The substrate must be dry and clean, free of oil, grease, paint and any loose particles.

Technical data:

Drying time: varies according to the absorbency of the substrate.

Consistency: liquid.

Colour: transparent.

Flammability: no.

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

Storage: 24 months. Protect from frost.

Application: by roller, brush or watering can.

Consumption

0.5-0.7 kg/m².

Packaging

25 kg drums.



Mapecoat I 600 W

Two-component, transparent epoxy finish in water dispersion.

Mapecoat I 600 W is used both for consolidating absorbent, porous cementitious substrates and as a primer before the application of **Mapecofloor I 500 W (Mapecofloor System 53)** or as a finishing layer on **Ultratop**.

Mapecoat I 600 W is a two-component, transparent epoxy finish in water dispersion which has a final opaque appearance which, when applied on absorbent substrates, takes up a wet-look effect.

The two components which make up **Mapecoat I 600 W** must be mixed together using a low-speed drill with a mixer attachment, until a homogenous blend is obtained. If used as impregnating product a first coat must be prepared by diluting the product with water with the ratio from 1 : 3 to 1 : 4 (1 part product to 3-4 parts of water), according to the substrate absorption; the second coat must be diluted from 1 : 1 to 1 : 3 (1 part product with 1-3 parts of water). The use of **Mapecoat I 600 W** as primer for **Mapecofloor I 500 W** only requires application in one single coat by diluting the product with water by the ratio of 1 : 1. Wait for 3-4 hours before applying **Mapecofloor I 500 W**.

Mapecoat I 600 W must be stirred with drill for at least 3 minutes for both kind of application after water addition.

Mapecoat I 600 W is applied with a medium or long-haired roller, by spraying or with an airless spray-gun.

Consumption

- as impregnating compound: 60-100 g/m² each coat, depending on absorption;
- as primer: 300-500 g/m², depending on absorption.

Packaging

units of 5.9 kg (A + B).



Primer MF

Solvent-free two-component epoxy primer to be used as an adhesion promoter for products of the Mapecofloor range and to consolidate and waterproof cementitious substrates.

Primer MF is a solvent-free two-component product based on epoxy resins with low viscosity and at the same time a high penetration capacity in the porosities of the substrates. Because of the total absence of solvents, **Primer MF** can be used on job-sites near inhabited environments such as apartments, schools, offices, etc.

Primer MF is used as a primer for absorbent concrete surfaces, as a consolidating primer of cementitious screeds with poor strength, as a primer with an anti-dust effect for concrete industrial floorings and as a waterproofer to avoid excess residual rising water in screeds and concrete floorings and in industrial floor protection cycles with products from the **Mapecofloor** range. After mixing the two parts, apply several coats of **Primer MF** with a roller or brush to completely fill the pores in the substrate surface. The epoxy products from the **Mapecofloor** range must be applied before **Primer MF** hardens. Any stagnation of **Primer MF** on the surface must be covered with **Quartz 1.2** or clean dry sand over the same still fresh layer. Smoothing compounds, wooden floorings, etc. can be applied over substrates treated with **Primer MF** after 12-36 hours from the application of the product, depending on the temperature.

Consumption

- 200-300 g/m² (used as a primer);
- variable (used as a consolidating compound or as a waterproofer).

Packaging

1 kg (A+B);
6 kg (A+B).



Primers

"Chicco" store - Gallarate (Varese) - Italy
Restoration of the old floor using: MAPEFLOOR SYSTEM 33
(PRIMER SN, QUARTZ 0.5, QUARTZ 0.25, MAPEFLOOR I 300 SL,
MAPECOLOR PASTE, MAPEFLOOR FINISH 51, MAPEFLOOR FILLER)

Triblock P



Three-component, epoxy-cementitious primer for damp substrates.

Triblock P is used for waterproofing vertical and horizontal surfaces which are damp due to the counter-pressure of water or capillary lift, before applying parquet, PVC, linoleum, ceramics, cementitious smoothing and levelling compounds and epoxy and polyurethane coats, since their low permeability to vapour may cause blistering or detachment of the coat.

Triblock P is supplied in kits of 3 pre-dosed components, which must be mixed together using a low-speed drill until a smooth, lump-free paste is obtained. After diluting with from 5 to 20% of water, apply **Triblock P** with a brush, by roller or with the airless spray system in 2 coats, to create a continuous, uniform layer without porosity.

If the surface to be treated is uneven, we recommend mixing 1 part in weight of **Triblock P** (A+B+C) with 0.5 parts in weight of **Quartz 0.25** or **Quartz 0.5**. In this case, the mortar must be applied at a maximum thickness of 1 mm. After smoothing off, if the surface is damp and subject to the counter-pressure of water, a further coat of **Triblock P** diluted with 5-10% of water must be applied.

Consumption

- 250-300 g/m² per coat, on non-absorbent surfaces;
- 400-500 g/m² per coat, on absorbent surfaces;
- 1.5 kg/m² per mm of thickness when used as a smoothing compound.

Packaging

5 kg units (A+B+C).



Primer MF



Solvent-free two-component epoxy primer to be used as an adhesion promoter for products of the Mapefloor range and to consolidate and waterproof cementitious substrates.

Primer MF is a solvent-free two-component product based on epoxy resins with low viscosity and at the same time a high penetration capacity in the porosities of the substrates. Because of the total absence of solvents, **Primer MF** can be used on job-sites near inhabited environments such as apartments, schools, offices, etc.

Primer MF is used as a primer for absorbent concrete surfaces, as a consolidating primer of cementitious screeds with poor strength, as a primer with an anti-dust effect for concrete industrial floorings and as a waterproofer to avoid excess residual rising water in screeds and concrete floorings and in industrial floor protection cycles with products from the **Mapefloor** range. After mixing the two parts, apply several coats of **Primer MF** with a roller or brush to completely fill the pores in the substrate surface. The epoxy products from the **Mapefloor** range must be applied before **Primer MF** hardens. Any stagnation of **Primer MF** on the surface must be covered with **Quartz 1.2** or clean dry sand over the same still fresh layer. Smoothing compounds, wooden floorings, etc. can be applied over substrates treated with **Primer MF** after 12-36 hours from the application of the product, depending on the temperature.

Consumption

- 200-300 g/m² (used as a primer);
- variable (used as a consolidating compound or as a waterproofer).

Packaging

- 1 kg (A+B);
- 6 kg (A+B).



Primer EP



Two-component waterproofing and consolidating primer, in solvent solution, for screeds and industrial flooring.

Where to use:

- Primer for the consolidation of surfaces of dusty or crumbly cementitious screeds, for anhydrite screeds, radiant heated screeds, old terrazzo tiles, gypsum and gypsum board.
- Waterproofing damp screeds to isolate residual moisture.
- Anti-dust impregnating primer over industrial flooring, garages, raised flooring.

If a levelling compound is used after the application of **Primer EP**, spread dry sand over the just treated surface to create a suitable mechanical key. The substrate must be dry and clean, free of oil, grease, traces of paint and any loose particles.

Technical data:

Minimum drying time: 24 hours depending on the porosity of the substrate.

Consistency: liquid.

Colour: transparent.

Flammability: yes.

Application temperature range:

from +10°C to +40°C.

Pot life of the mixture: 4-5 hours.

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

Storage: 24 months.

Application: by roller, brush or watering can.

Consumption

0.5-0.7 kg/m².

Packaging

5+5 kg drums.



Mapefloor I 900



Two-component epoxy resin, particularly recommended for the installation of floors which are resistant to acids and wear caused by the passage of heavy traffic, such as lorries and forklift trucks.

Mapefloor I 900 is used for the **Mapefloor System 91** (multi-layered epoxy system for thicknesses from 6 to 15 mm, for medium to heavy traffic) to create protective coatings for concrete industrial floors, car parks and garages, which are resistant to acids and the wear caused by heavy traffic.

Mapefloor I 900 may also be used to flatten out slopes and to repair horizontal surfaces, such as concrete floor slabs, foundations, ramps, the corners of expansion joints and beam joints.

After mixing the two components together, add **Quartz 1.9** (selected graded aggregates), until a uniform mix similar to damp earth is obtained. Pour the mix onto the substrate, treated beforehand with **Primer SN**, making sure that the bonding agent is still "fresh". The product may be spread out with the help of an aluminium straightedge and rakes. If the product is used as a coating for floors, it must be smoothed off with a special vibro-tamping machine while the material is still "fresh". If it used as a roughing mortar, it may be levelled off by beating it firmly with a trowel or a float.

Mapefloor I 900 may be coloured with **Mapecolor Paste**.

Consumption

depending on the thicknesses to be applied.

Packaging

15 kg drums (A + B).



Mapecfloor I 910



Two-component epoxy primer for mortar applied by trowel or as a bonding promoter for resin coatings. Mapecfloor I 910 may be used as either a bonding promoter for resin coating coats or as a binder when mixing mortar applied by trowel when installing industrial floors or for when levelling off irregular layers or slopes in concrete floors. The two components which make up Mapecfloor I 910 must be mixed together using a drill fitted with a low-speed stirrer, until a homogenous blend is obtained. Once mixed, the product must be spread on uniformly using either a long-haired roller or a smooth trowel when used as a primer for resin 600 kg units (A + B). Coats, or blended with Quartz 1.9 at a ratio of up to a maximum of 1 : 13 to obtain mortar with a consistency similar to damp earth.

Consumption

- used as a primer: 0.3-0.5 kg/m², according to the absorbency of the substrate;
- used for preparing mortar: depending on the thicknesses to be applied.

Packaging

15 kg drums (A + B).



Primer SN



Two-component, solvent-free epoxy filling primer.

Primer SN is a two-component, solvent-free epoxy resin-based filling primer. It is used to improve the bonding of epoxy and polyurethane Mapecfloor Systems and is used for protecting and coating industrial floors in concrete and cement terrazzo.

Primer SN is characterised by its capacity to penetrate well into the substrate and may also be used on substrates which are slightly damp (maximum humidity level 4%). It is also possible to carry out a preliminary levelling out of surfaces which have a slightly rough finish, by applying a single coat of Primer SN blended with up to a maximum of 50% of Quartz 0.5. If necessary (in the presence of cracking, mixed substrates, such as concrete/ceramic or concrete/natural stone, etc.), the layer may be reinforced using Primer SN with Mesh 320 glass fibre mesh, in order to evenly distribute any stresses generated in the substrate. Primer SN may also be used instead of Primer G or Mapecprim SP to prime substrates, before applying Ultratop cementitious-based self-levelling mortar when laying wear-resistant industrial and domestic floors.

After mixing the two pre-dosed components which make up Primer SN, apply the product using either a metal trowel or smooth rake onto the substrate which has been correctly prepared. Immediately after application, sprinkle the fresh surface with Quartz 0.5, to guarantee perfect bonding of the successive Mapecfloor System resin dressing coats, or with Quartz 1.2, if the floor is to be treated with Ultratop.

Consumption

0.3-0.6 kg/m² per coat, according to the absorption and characteristics of the substrate.

Packaging

20 kg kits:
component A = 16 kg;
component B = 4 kg.



Mesh 320



Glass fibre mesh for reinforcing epoxy systems.

Mesh 320 is a glass fibre mesh primed with special synthetic resins. It weighs 350 g/m² and the mesh size is 15.7 x 10.1 mm.

Mesh 320 is used for reinforcing the first layer of Primer SN in order to evenly distribute any stresses which are generated in the substrate and prevent cracking.

Packaging

50 m x 1 m-wide rolls.

Underground car-park - Berlaymont Building - Brussels - Belgium
Installation of a self-levelling cementitious floor using:
ULTRATOP SYSTEM "natural effect"
(PRIMER G, ULTRATOP, MAPECOAT I 600 W)

Mapecoat I 600 W

Two-component, transparent epoxy finish in water dispersion.

Mapecoat I 600 W is used both for consolidating absorbent, porous cementitious substrates and as a primer before the application of **Mapefloor I 500 W (Mapefloor System 53)** or as a finishing layer on **Ultratop**.

Mapecoat I 600 W is a two-component, transparent epoxy finish in water dispersion which has a final opaque appearance which, when applied on absorbent substrates, takes up a wet-look effect.

The two components which make up **Mapecoat I 600 W** must be mixed together using a low-speed drill with a mixer attachment, until a homogenous blend is obtained. If used as impregnating product a first coat must be prepared by diluting the product with water with the ratio from 1 : 3 to 1 : 4 (1 part product to 3-4 parts of water), according to the substrate absorption; the second coat must be diluted from 1 : 1 to 1 : 3 (1 part product with 1-3 parts of water). The use of **Mapecoat I 600 W** as primer for **Mapefloor I 500 W** only requires application in one single coat by diluting the product with water by the ratio of 1 : 1. Wait for 3-4 hours before applying **Mapefloor I 500 W**.

Mapecoat I 600 W must be stirred with drill for at least 3 minutes for both kind of application after water addition.

Mapecoat I 600 W is applied with a medium or long-haired roller, by spraying or with an airless spray-gun.

Consumption

- as impregnating compound: 60-100 g/m² each coat, depending on absorption;
- as primer: 300-500 g/m², depending on absorption.

Packaging

units of 5.9 kg (A + B).



Primer G



Synthetic resin based primer in water dispersion.

Treating gypsum or anhydrite surfaces prior to the installation of ceramic tiles and stone material or before levelling or self-levelling flooring with **Ultratop**.

The surfaces to be treated must be clean and porous.

Dilute **Primer G** with water from 1:1 to 1:3 to fix the residual dusting and to provide even absorption of substrates prior to levelling or laying. Dilute **Primer G** with water 1:1 for the first coat and 1:1 to 1:2 for the second coat when used as a primer for **Ultratop**. Apply on perfectly dry gypsum or anhydrite surfaces (residual moisture content less than 0.5%).

Consumption

100-200 g/m² depending on use.

Packaging

25-10-5 kg drums and 12x1 kg packs.



Mapeprim SP



Two-component solvent-free primer.

Mapeprim SP improves the bonding of smoothing and levelling compounds such as **Ultraplan**, **Ultratop** and **Planolit** on gypsum and anhydrite, on very smooth and compact substrates such as ceramic tiles and natural stone. Wait until **Mapeprim SP** becomes transparent before applying the levelling compounds. Use **Mapeprim SP** only on dry substrates and not subject to rising damp.

Consumption

100-200 g/m².

Packaging

8 kg kits (A+B);
4 kg kits (A+B).



Self-levelling floors in cementitious and resin- based mortars

Ultratop

Ultra-quick setting self-levelling mortar based on special hydraulic binders, for abrasion-resistant floor coverings at a thickness from 5 to 40 mm.

Ultratop may remain on view as a finished floor surface, and is used inside industrial and civil buildings to form abrasion-resistant floors.

Used neat, it is particularly recommended for floors in industrial warehouses, stock-rooms subject to traffic with rubber wheels, car-parks, shopping centres and shops. If polished, it is ideal for use inside civil buildings, such as showrooms, offices, shops, restaurants and flats. If mixed with **Dynastone Color** aggregates or with natural aggregates, **Ultratop** may be used to create floors similar to "Terrazzo alla Veneziana". The product is available in the following colours: light grey, white, beige, red, anthracite and standard. After preparation, which is carried out by mixing **Ultratop** with water, the mortar may be applied manually, or mechanically using a spray rendering machine, on clean surfaces which have been treated with a special primer. In the case of absorbent substrates, such as concrete, we recommend using **Primer G**, while **Mapecrim SP** is recommended for non-absorbent surfaces, such as ceramic or natural stone. Mixed surfaces may be further improved by priming with **Primer SN**, which may also be reinforced with **Mesh 320**. The abrasion-resistance of **Ultratop**, which is considerably high, may be further improved by applying a finishing treatment on the surface using **Mapecoat I 600 W**, **Mapecoat I 620 W** or **Mapecoat I 300 SL**. These products, to which **Keraseal** may be added as a protective treatment after polishing, are indispensable to make **Ultratop** impermeable to water and oil. If high chemical resistance is required, after only 24-36 hours of applying **Ultratop**, the surface may be coated with **Mapecoat I 24**, **Mapecoat I 620 W** or **Mapecoat I 300 SL**.

Consumption

- **Ultratop** used pure: 16.5-17.5 kg/m² per cm of thickness;
- **Ultratop** mixed with **Dynastone Color** aggregates: 10 kg/m² per cm of thickness.

Packaging

25 kg bags.



"Ingram" showroom - Sansepolcro (Arezzo) - Italy
Restoration of the floor using:
ULTRATOP SYSTEM "natural effect"
(PRIMER SN, ULTRATOP, MAPEFLOOR FINISH 52 W)

Mapecolor I 300 SL

Two-component, multi-purpose, neutral-coloured epoxy treatment for industrial floors, applied at a thickness of up to 4 mm.

Mapecolor I 300 SL is a solvent-free, two component, epoxy filling treatment used to obtain self-levelling, multi-layer and non-slip coatings on industrial floors. **Mapecolor I 300 SL** is particularly recommended as a floor covering in the foodstuffs, chemical and pharmaceutical industries. Its properties also include good resistance to the stresses caused by the passage of forklift trucks and rubber-wheeled vehicles in general, commonly used in shopping centres, laboratories and hospitals.

Mapecolor I 300 SL resists well to chemicals and abrasion and has high mechanical strength. It is used for the following:

- **Mapecolor System 31** (multilayered from 0.8 to 1.2 mm in thickness, for light to medium traffic);
- **Mapecolor System 32** (multilayered from 3 to 3.5 mm in thickness, for medium to heavy traffic);
- **Mapecolor System 33** (self-levelling from 2 to 4 mm in thickness, for medium weight traffic);
- **Mapecolor System 34** (painted layers from 0.6 to 1 mm in thickness, for lightweight traffic).

Mapecolor I 300 SL may be used as either a non-slip dressing or as a self-levelling, smooth dressing. In these cases, the product must be mixed with **Quartz 0.25** or **Quartz 0.5**, according to the final use and thickness required.

Mapecolor I 300 SL has a neutral colour. Where required, **Mapecolor Paste** colorants must be added while preparing the product. Add 0.7 kg of paste colorant (**Mapecolor Paste**) for each 8 kg package of **Mapecolor I 300 SL**.

Consumption

- used to form a 2 mm-thick self-levelling dressing on a substrate primed with **Primer SN**: 2.0 kg/m²;
- used to form a 3 mm-thick intermediate layer in a non-slip, multi-layered dressing on a substrate primed with **Primer SN**: 0.9 kg/m²;
- used to form 1 mm-thick or 3 mm-thick layers in a non-slip, multi-layered dressing on a substrate primed with **Primer SN**: 0.6 kg/m².

Packaging

units of 8 kg (A+B).



New

Mapecolor I 300 SL TRP

Two-component, transparent epoxy finish coat with a low tendency to turn yellow, applied at a thickness of 1 mm as a finishing coat on epoxy resin systems.

Mapecolor I 300 SL TRP is used as a finishing coat on internal decorative floors in civil environments subject to light pedestrian traffic, such as shops and hotel receptions.

Mapecolor I 300 SL TRP is impermeable and resistant to chemicals and abrasion, which also makes it suitable as a finishing coat on decorative floors in restaurants, bars, showrooms, etc. **Mapecolor I 300 SL TRP** is a solvent-free, two-component, transparent epoxy finish coat with a low tendency to turn yellow. Apart from improving the resistance of the floor, it gives it a lens-like appearance. Once **Mapecolor I 300 SL TRP** has hardened, the surface has good resistance to alcohol and diluted alkalis, and is also easy to clean.

Consumption

from 1 to 1.5 kg/m².

Packaging

18 kg kits:
component A = 12 kg;
component B = 6 kg.



New

Mapecolor I 320 SL CONCEPT

Self-levelling, solvent-free epoxy finish coat with a coloured granular effect, to create floors which are resistant to abrasion.

Mapecolor I 320 SL CONCEPT is used to dress floors in both industrial and civil environments subject to medium-heavy loads, such as laboratories and distribution warehouses. Its attractive aesthetic appearance and excellent resistance to abrasion also make it suitable in environments with heavy pedestrian traffic, such as bars, hotel receptions, canteens, classrooms, showrooms, etc.

Mapecolor I 320 SL CONCEPT is a solvent-free, two-component epoxy resin-based formulation.

Mapecolor I 320 SL CONCEPT is characterised by excellent mechanical strength, and is more resistant to abrasion than conventional epoxy-based self-levelling products.

Mapecolor I 320 SL CONCEPT is prepared by mixing the two components together, and is applied using a smooth trowel at a thickness of between 2 and 4 mm on substrates which must be primed before application.

The hardened surface of **Mapecolor I 320 SL CONCEPT** is very smooth and forms a continuous, flat floor which is easy to clean and sterilise.

Mapecolor I 320 SL CONCEPT is available in special coloured blends, which give the floor a particularly attractive appearance.

Consumption

3 kg/m².

Packaging

16.8 kg kits:
component A = 13.8 kg;
component B = 3.0 kg.



Mapecolor I 350 SL

Two-component, multi-purpose, neutral-coloured, "class 1" fire-resistant epoxy treatment for coating industrial floors at a thickness of up to 4 mm.

Mapecolor I 350 SL is a solvent-free, two component, "Class 1" fire-resistant epoxy filling treatment used to obtain a self-levelling, multi-layer, non-slip resin coating on industrial floors.

Mapecolor I 350 SL is particularly recommended as a floor covering in the foodstuffs, chemical and pharmaceutical industries. Its properties also include good resistance to the stresses caused by the passage of forklift trucks and rubber-wheeled vehicles in general in shopping centres, laboratories and hospitals.

Mapecolor I 350 SL has excellent chemical resistance and high strength properties, is resistant to abrasion and may be applied at a thickness of up to 4 mm. **Mapecolor I 350 SL** may be used as either a non-slip coating or as a smooth, self-levelling coating. In these cases, the product must be mixed at a ratio of up to a maximum of 1 : 0.5 with **Quartz 0.25** or **Quartz 0.5**, according to the final use and thickness required.

Mapecolor I 350 SL has a neutral colour. Where required, **Mapecolor Paste** colorants may be added while preparing the product. Add 0.7 kg of **Mapecolor Paste** colorant for each 8 kg package of **Mapecolor I 350 SL**.

Consumption

- as a 2 mm-thick self-levelling coating on substrates treated with **Primer SN**: 2.0 kg/m²;
- as an intermediate layer in a 3 mm-thick, non-slip, multi-layered coating on substrates treated with **Primer SN**: 0.9 kg/m²;
- as a 1 mm-thick or 3 mm-thick final coat in a non-slip, multi-layered coating on substrates treated with **Primer SN**: 0.6 kg/m².

Packaging

8 kg units:
component A = 6 kg;
component B = 2 kg.



Mapecolor I 500 W

Two-component, multi-purpose, neutral-coloured epoxy treatment in water dispersion, permeable to vapour, for industrial floors.

Mapecolor I 500 W is a solvent-free, two-component, epoxy filling treatment in water dispersion, which is impermeable to vapour, used to obtain self-levelling and multi-layer coatings on industrial floors. Since it is a water-based product, **Mapecolor I 500 W** is environment-friendly and is particularly recommended as a floor covering in the foodstuffs, chemical and pharmaceutical industries. Its properties also include good resistance to the stresses caused by the passage of forklift trucks and rubber-wheeled vehicles in general, commonly used in shopping centres.

Mapecolor I 500 W is versatile, permeable to water vapour and is not subject to shrinkage.

Mapecolor I 500 W resists well to chemicals and abrasion and has high mechanical strength. It is used for the following:

- **Mapecolor System 51** (multi-layered up to 3 mm in thickness, for medium to heavy traffic);
- **Mapecolor System 52** (multi-layered up to an average of 5 mm in thickness, for heavy traffic);
- **Mapecolor System 53** (self-levelling up to an average of 4 mm in thickness, for medium to heavy traffic);

Mapecolor I 500 W has a neutral colour. Where required, **Mapecolor Paste** colorants must be added while preparing the product. Add 0.7 kg of paste colorant (**Mapecolor Paste**) for each 26 kg package of **Mapecolor I 500 W**.

Consumption

- used as smooth, self-levelling 2 mm-thick layer on a substrate primed with **Mapecolor I 600 W**: 4 kg/m²;
- used as a multi-layered, 5 mm-thick non-slip coating:
for the first layer
Mapecolor I 500 W 2.5 kg/m²
Quartz 0.5 5 kg/m²
as the second layer
Mapecolor I 500 W 2.5 kg/m²
Quartz 0.5 5 kg/m²
as the finishing layer
Mapecolor I 500 W 0.7 kg/m²

Packaging

units of 26 kg:
component A = 2 kg;
component B = 24 kg.



Mapecolor Paste

A system for colouring Mapecolor products.

Mapecolor Paste is a range of ready-mixed colouring pastes, which are added to **Primer SN**, **Mapecolor I 300 SL**, **Mapecolor I 350 SL**, **Mapecolor I 500 W**, **Mapecolor I 620 W** and **Mapecolor I 24**. **Mapecolor Paste** is available in 19 different colours, to satisfy the widest variety of aesthetic requirements.

Colours available:

RAL 1001	RAL 1013	RAL 1015
RAL 3009	RAL 5016	RAL 5007
RAL 5012	RAL 5024	RAL 6001
RAL 6017	RAL 6019	RAL 6021
RAL 7001	RAL 7030	RAL 7032
RAL 7034	RAL 7035	RAL 7037
RAL 7040		

Consumption

0.7 kg for each package of **Primer SN**, **Mapecolor I 300 SL**, **Mapecolor I 350 SL**, **Mapecolor I 500 W**, **Mapecolor I 620 W** and **Mapecolor I 24**.

Packaging

0.7 kg jars.



"CNH Trattori" warehouse building - Jesi (Ancona) - Italy
Restoration of the old floor using:
MAPEFLOOR SYSTEM 91 (PRIMER SN, MAPEFLOOR I 910, QUARTZ 0.5,
QUARTZ 0.25, QUARTZ 1.9, MAPEFLOOR I 300 SL, MAPECOLOR PASTE)



**Mapecolor
CPU/MF**



Three-component, self-levelling polyurethane-cement treatment with high resistance to chemical agents, for coating industrial floors with a 3-4 mm thick layer.

Mapecolor CPU/MF is a polyurethane-cement treatment, used to obtain self-levelling resinous coats on industrial floors. **Mapecolor CPU/MF** is particularly suitable for coating floors in the foodstuffs industry and in the chemicals and pharmaceuticals industries.

Thanks to its properties, it also offers good resistance to the stresses caused by the passage of forklift trucks, and rubber-wheeled vehicles in general, in shopping centres, laboratories and hospitals.

Mapecolor CPU/MF has excellent chemical resistance and high strength properties, is resistant to abrasion and may be applied at thicknesses between 3 and 4 mm after suitable preparation and priming of the substrate.

Mapecolor CPU/MF is available in grey, beige and green.

Consumption

6 kg/m² for a 3 mm-thick self-levelling layer.

Packaging

28.4 kg kits:
component A = 4.2 kg;
component B = 4.2 kg;
component C = 20 kg.



**New
Mapecolor
CPU/HD**

Three-component, polyurethane-cement-based mortar with high mechanical strength and high resistance to chemicals, used to finish industrial floors with a layer from 6 to 9 mm thick.

Mapecolor CPU/HD is a polyurethane-cement-based formula which is ideal for finishing industrial floors subject to heavy traffic, high chemical aggression and subject to high thermal shocks. Thanks to these properties, **Mapecolor CPU/HD** is suitable for finishing floors in the foodstuffs, chemical and pharmaceutical industries.

Mapecolor CPU/HD is also mechanically strong and is highly resistant to abrasion. It resists well, therefore, to the stress caused by the passage of fork-lift trucks and rubber-wheeled vehicles in industrial environments.

Once the substrate has been correctly prepared, **Mapecolor CPU/HD** is applied in a single layer from 6 to 9 mm. It is available in grey.

Consumption

1.9 kg/m² per mm of thickness.

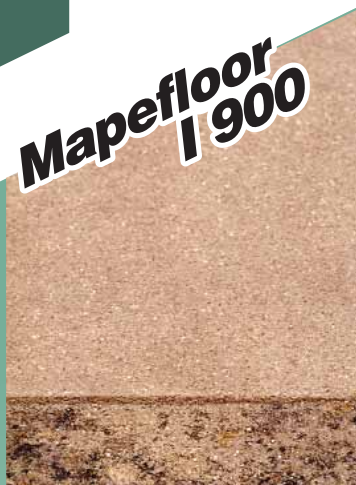
Packaging

31.4 kg kits:
component A = 3.2 kg;
component B = 3.2 kg;
component C = 25 kg.



Resin-based mortar screeds

Mapecfloor I 900



Two-component epoxy resin, particularly recommended for the installation of floors which are resistant to acids and wear caused by the passage of heavy traffic, such as lorries and forklift trucks.

Mapecfloor I 900 is used for the **Mapecfloor System 91** (multi-layered epoxy system for thicknesses from 6 to 15 mm, for medium to heavy traffic) to create protective coatings for concrete industrial floors, car parks and garages, which are resistant to acids and the wear caused by heavy traffic.

Mapecfloor I 900 may also be used to flatten out slopes and to repair horizontal surfaces, such as concrete floor slabs, foundations, ramps, the corners of expansion joints and beam joints. After mixing the two components together, add **Quartz 1.9** (selected graded aggregates), until a uniform mix similar to damp earth is obtained. Pour the mix onto the substrate, treated beforehand with **Primer SN**, making sure that the bonding agent is still "fresh". The product may be spread out with the help of an aluminium straightedge and rakes. If the product is used as a coating for floors, it must be smoothed off with a special vibro-tamping machine while the material is still "fresh". If it used as a roughing mortar, it may be levelled off by beating it firmly with a trowel or a float.

Mapecfloor I 900 may be coloured with **Mapecolor Paste**.

Consumption
depending on the thicknesses to be applied.

Packaging
15 kg drums (A + B).



Mapecfloor I 910



Two-component epoxy primer for mortar applied by trowel or as a bonding promoter for resin coatings. Mapecfloor I 910 may be used as either a bonding promoter for resin coating coats or as a binder when mixing mortar applied by trowel when installing industrial floors or for when levelling off irregular layers or slopes in concrete floors.

The two components which make up **Mapecfloor I 910** must be mixed together using a drill fitted with a low-speed stirrer, until a homogenous blend is obtained. Once mixed, the product must be spread on uniformly using either a long-haired roller or a smooth trowel when used as a primer for resin 600 kg units (A + B). Coats, or blended with **Quartz 1.9** at a ratio of up to a maximum of 1 : 13 to obtain mortar with a consistency similar to damp earth.

Consumption
– used as a primer: 0.3-0.5 kg/m², according to the absorbency of the substrate;
– used for preparing mortar: depending on the thicknesses to be applied.

Packaging
15 kg drums (A + B).





**Mapecolor
EP19**

Three-component acid-resistant epoxy mortar for thick wear-resistant applications.

Mapecolor EP19 is used as an acid-resistant, wear-resistant protection of concrete structures, for example bearings for crane and bridge crane runways, beds for sewage treatment machinery, ramps, etc.

Mapecolor EP19 is suitable for rebuilding the corners of expansion joints in damaged industrial concrete flooring due to the impact of trucks, forklifts, etc.

Prepare **Mapecolor EP19** by mixing parts A and B, then while mixing, add part C (the powdered component).

Apply **Mapecolor EP19** with a flat trowel or helicopter.

Saturate the surface, using a towel, with **Primer MF** or **Mapecolor I 300 SL**, epoxy resins that must be charged with **Quartz 0.25** sand. A coloured coat can be obtained with **Mapecolor I24**, epoxy resin, that can be applied with a roller.

Consumption

- **Primer MF** (applied with a trowel or roller): 0.200-0.300 kg/m²;
- **Mapecolor EP19** (applied with a trowel or helicopter): 20 kg/m² per 1 cm of thickness;
- **Primer MF** or **Mapecolor I 300 SL**: 0.300-0.400 kg/m² (when **Mapecolor EP19** is applied with a helicopter);
- **Primer MF** or **Mapecolor I 300 SL**: 0.400-0.600 kg/m² (when **Mapecolor EP19** is applied with a trowel);
- **Mapecolor I24**: 300 g/m².

Packaging

- **Mapecolor EP19**: 10 kg (A+B+C);
- **Primer MF**: 1 kg (A+B); 6 kg (A+B);
- **Mapecolor I24**: 5 kg (A+B);
- **Mapecolor I 300 SL**: 10 kg (A+B).

"DBM" warehouse building - Desio (Milan) - Italy
Restoration of the old floor using:
MAPEFLOOR SYSTEM 91 (MAPEFLOOR I 910, QUARTZ 1.9,
MAPEFLOOR I 300 SL, MAPECOLOR PASTE)



Cementitious and resin- based decorative floors

Ultratop



Ultra-quick setting self-levelling mortar based on special hydraulic binders, for abrasion-resistant floor coverings at a thickness from 5 to 40 mm.

Ultratop may remain on view as a finished floor surface, and is used inside industrial and civil buildings to form abrasion-resistant floors.

Used neat, it is particularly recommended for floors in industrial warehouses, stock-rooms subject to traffic with rubber wheels, car-parks, shopping centres and shops. If polished, it is ideal for use inside civil buildings, such as showrooms, offices, shops, restaurants and flats. If mixed with **Dynastone Color** aggregates or with natural aggregates, **Ultratop** may be used to create floors similar to "Terrazzo alla Veneziana".

The product is available in the following colours: light grey, white, beige, red, anthracite and standard. After preparation, which is carried out by mixing **Ultratop** with water, the mortar may be applied manually, or mechanically using a spray rendering machine, on clean surfaces which have been treated with a special primer. In the case of absorbent substrates, such as concrete, we recommend using **Primer G**, while **Mapeprim SP** is recommended for non-absorbent surfaces, such as ceramic or natural stone. Mixed surfaces may be further improved by priming with **Primer SN**, which may also be reinforced with **Mesh 320**. The abrasion-resistance of **Ultratop**, which is considerably high, may be further improved by applying a finishing treatment on the surface using **Mapecoat I 600 W**, **Mapefloor Finish 50** or **Mapefloor Finish 52 W**. These products, to which **Keraseal** may be added as a protective treatment after polishing, are indispensable to make **Ultratop** impermeable to water and oil. If high chemical resistance is required, after only 24-36 hours of applying **Ultratop**, the surface may be coated with **Mapefloor System** or protected with epoxy paint, such as **Mapecoat I 24**, **Mapecoat I 620 W** or **Mapefloor I 300 SL**.

Consumption

- **Ultratop** used pure: 16.5-17.5 kg/m² per cm of thickness;
- **Ultratop** mixed with **Dynastone Color** aggregates: 10 kg/m² per cm of thickness.

Packaging

25 kg bags.



"Memphis" store - Rimini - Italy
Installation of a new floor using: MAPEFLOOR SYSTEM 70
(PRIMER SN, QUARTZ 0.5, MAPEFLOOR DECOR 700,
MAPECOLOR PASTE, MAPEFLOOR FINISH 50)



**Mapecolor
Decor 700**

Mapecolor Decor 700 is a two-component, solvent-free, epoxy paste in water dispersion, used to create floors with a trowel-effect or mottled finish.

The ease of preparation and versatility of this product allows a wide variety of environments to be personalized in a short space of time, such as in shops, flats and showrooms.

Mapecolor Decor 700 is prepared quickly, may be coloured using **Mapecolor Paste** and, thanks to its creamy consistency, a smooth trowel is all that is required for application.

In this way, a mottled or trowel-effect finish may be obtained at a thickness of from 1 to 2 mm.

After hardening, the floor is highly resistant to wear and a wide range of shades of colours may be obtained.

Mapecolor Decor 700 also guarantees a surface finish which is highly resistant to chemical products.

Surfaces created using **Mapecolor Decor 700** must be protected with a polyurethane finishing coat.

Mapecolor Finish 50 or, as an alternative, **Mapecolor Finish 52** are recommended for this operation.

Consumption

1-2 kg/m² per coat, according to the characteristics of the substrate and the type of decorative effect required.

Packaging

10 kg kits (A+B).



"DEM" shopping centre - Rovigo - Italy
Installation of a new floor using:
ULTRATOP SYSTEM
"natural effect"
(PRIMER G, ULTRATOP,
MAPEFLOOR FINISH 50,
MAPEFLEX PU20)



New
**Mapecolor
I 320 SL CONCEPT**

Self-levelling, solvent-free epoxy finish coat with a coloured granular effect, to create floors which are resistant to abrasion.

Mapecolor I 320 SL CONCEPT is used to dress floors in both industrial and civil environments subject to medium-heavy loads, such as laboratories and distribution warehouses. Its attractive aesthetic appearance and excellent resistance to abrasion also make it suitable in environments with heavy pedestrian traffic, such as bars, hotel receptions, canteens, classrooms, showrooms, etc.

Mapecolor I 320 SL CONCEPT is a solvent-free, two-component epoxy resin-based formula.

Mapecolor I 320 SL CONCEPT is characterised by excellent mechanical strength, and is more resistant to abrasion than conventional epoxy-based self-levelling products.

Mapecolor I 320 SL CONCEPT is prepared by mixing the two components together, and is applied using a smooth trowel at a thickness of between 2 and 4 mm on substrates which must be primed before application.

The hardened surface of **Mapecolor I 320 SL CONCEPT** is very smooth and forms a continuous, flat floor which is easy to clean and sterilise.

Mapecolor I 320 SL CONCEPT is available in special coloured blends, which give the floor a particularly attractive appearance.

Consumption

3 kg/m².

Packaging

16.8 kg kits:
component A = 13.8 kg;
component B = 3.0 kg.



Finishing products

Mapecolor I 300 SL

Two-component, multi-purpose, neutral-coloured epoxy treatment for industrial floors, applied at a thickness of up to 4 mm.

Mapecolor I 300 SL is a solvent-free, two component, epoxy filling treatment used to obtain self-levelling, multi-layer and non-slip coatings on industrial floors.

Mapecolor I 300 SL is particularly recommended as a floor covering in the foodstuffs, chemical and pharmaceutical industries. Its properties also include good resistance to the stresses caused by the passage of forklift trucks and rubber-wheeled vehicles in general, commonly used in shopping centres, laboratories and hospitals.

Mapecolor I 300 SL resists well to chemicals and abrasion and has high mechanical strength. It is used for the following:

- **Mapecolor System 31** (multilayered from 0.8 to 1.2 mm in thickness, for light to medium traffic);
- **Mapecolor System 32** (multilayered from 3 to 3.5 mm in thickness, for medium to heavy traffic);
- **Mapecolor System 33** (self-levelling from 2 to 4 mm in thickness, for medium weight traffic);
- **Mapecolor System 34** (painted layers from 0.6 to 1 mm in thickness, for lightweight traffic).

Mapecolor I 300 SL may be used as either a non-slip dressing or as a self-levelling, smooth dressing. In these cases, the product must be mixed with **Quartz 0.25** or **Quartz 0.5**, according to the final use and thickness required.

Mapecolor I 300 SL has a neutral colour. Where required, **Mapecolor Paste** colorants must be added while preparing the product. Add 0.7 kg of paste colorant (**Mapecolor Paste**) for each 8 kg package of **Mapecolor I 300 SL**.

Consumption

- used to form a 2 mm-thick self-levelling dressing on a substrate primed with **Primer SN**: 2.0 kg/m²;
- used to form a 3 mm-thick intermediate layer in a non-slip, multi-layered dressing on a substrate primed with **Primer SN**: 0.9 kg/m²;
- used to form 1 mm-thick or 3 mm-thick layers in a non-slip, multi-layered dressing on a substrate primed with **Primer SN**: 0.6 kg/m².

Packaging

units of 8 kg (A+B).



New Mapecolor I 300 SL TRP

Two-component, transparent epoxy finish coat with a low tendency to turn yellow, applied at a thickness of 1 mm as a finishing coat on epoxy resin systems.

Mapecolor I 300 SL TRP is used as a finishing coat on internal decorative floors in civil environments subject to light pedestrian traffic, such as shops and hotel receptions.

Mapecolor I 300 SL TRP is impermeable and resistant to chemicals and abrasion, which also makes it suitable as a finishing coat on decorative floors in restaurants, bars, showrooms, etc.

Mapecolor I 300 SL TRP is a solvent-free, two-component, transparent epoxy finish coat with a low tendency to turn yellow. Apart from improving the resistance of the floor, it gives it a lens-like appearance. Once **Mapecolor I 300 SL TRP** has hardened, the surface has good resistance to alcohol and diluted alkalis, and is also easy to clean.

Consumption

from 1 to 1.5 kg/m².

Packaging

18 kg kits:
component A = 12 kg;
component B = 6 kg.



"IP Cleaning" works - Bagno - Italy
Installation of a new floor using: PRIMER G, ULTRATOP,
MAPEFLOOR I 300 SL, MAPECOLOR PASTE

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Mapecoat I 24

Epoxy paint for acid-resistant coating of concrete surfaces.

Mapecoat I 24 may be used for concrete floors, storage tanks and flumes which come into contact with aggressive chemicals, such as acids, leaching agents and hydrocarbons.

Mapecoat I 24 is a two-component epoxy paint. Prior to use, the components must be thoroughly mixed until complete homogeneity is obtained.

Characterized by a low viscosity, **Mapecoat I 24** can be applied easily on perfectly clean, sound and dry substrates by brush, roller or spray.

After the completion of the cross-linking, **Mapecoat I 24** forms a waterproof and vapourproof film.

Mapecoat I 24 is available in white, grey and neutral. The neutral version may be coloured using **Mapecolor Paste** during the preparation phase. Each 5 kg pack of **Mapecoat I 24** requires 0.7 kg of **Mapecolor Paste**.

Consumption

400-600 g/m² per coat, depending on the type of substrate.

Packaging

5 kg units (A+B).



Mapecoat I 620 W

Two-component, water-based epoxy coating for concrete floors and cementitious substrates and as a finishing compound for epoxy systems, to provide an anti-dust and oil resistant finishing treatment with shiny effect.

Mapecoat I 620 W is used as an anti-dust and anti-oil layer on concrete, which must be previously primed with **Triblock P** as finishing compound for **Ultratop**, or on epoxy systems.

The two components which make up **Mapecoat I 620 W** must be mixed together using a low-speed drill with a mixer attachment, until a homogenous blend is obtained. While mixing, add 10% in weight of **Mapecolor Paste** and from 10-20% of water and continue mixing until a homogenous mix is obtained.

Apply in a uniform coat using a short-haired roller.

To leave the surface with a non-slip finish, add from 5 to 10% in weight of **Mapecolor Filler** to **Mapecoat I 620 W**, according to the level of non-slip effect required.

Consumption

0.100-0.250 kg/m², according to the absorbency of the substrate.

Packaging

15 kg kits:
component A = 5 kg;
component B = 10 kg.



Mapecolor Finish 50

Two-component, aliphatic, transparent, moisture curing, polyurethane finish.

Mapecolor Finish 50 is used as a dust-repellent treatment on absorbent, porous cementitious substrates, as a finishing coat for **Ultratop** and as a finishing coat to improve the resistance of **Mapecolor System 53** installations to scuffing.

Mapecolor Finish 50 is a solvent-free, two-component, aliphatic transparent polyurethane finish which does not turn yellow and which has a satin finish.

When the product is applied on concrete or **Ultratop**, it takes up a wet-look effect. To prepare the product, pour comp. B into the container of comp. A. After closing the container, mix the two components together by simply shaking the package for approximately one minute.

If an anti-slip finish is required on **Mapecolor Finish 50**, add 5-10% by weight of **Mapecolor Filler** while mixing slowly with a drill with a mixing attachment.

Mapecolor Filler is made up of super-fine aggregate which are extremely wear resistant.

With both the standard and non-slip versions, **Mapecolor Finish 50** is applied evenly with a medium or short-haired roller on concrete substrates, and with a short-haired roller, such as mohair, on **Mapecolor I 500 W** or **Ultratop**.

The product may also be sprayed on or applied using an airless spray gun.

Consumption

– on **Mapecolor I 500 W** or **Ultratop**
dressing material: 0.06-0.10 kg/m² per coat;
– on concrete floors: 0.1-0.2 kg/m² per coat, according to the absorbency.

Packaging

5 kg kits (A + B).



Mapecolor Finish 51



Two-component, aliphatic, polyurethane finishing product, made up of special charges to give the product an opaque, non-slip finish. Mapecolor Finish 51 is used as a finishing coat to improve the resistance of Mapecolor System 33 installations to scuffing.

Mapecolor Finish 51 is a two-component, aliphatic polyurethane finishing product which does not turn yellow and which has an opaque finish.

The two components which make up Mapecolor Finish 51 must be mixed together using a low-speed drill with a mixer attachment, until a homogenous blend is obtained.

If a non-slip finish is required, add 5-10% in weight of Mapecolor Filler while mixing slowly and continuously.

Mapecolor Finish 51 is applied evenly with a short-haired roller such as mohair on resinous substrates. The product may also be sprayed on or applied using an airless spray gun.

Consumption

0.06-0.1 kg/m² per coat.

Packaging

units of 6.6 kg (A + B).



Mapecolor Finish 52 W



Two-component, non-yellowing polyurethane finishing compound in water dispersion, for dust-repellent and anti-oil treatments.

Mapecolor Finish 52 W is used as a dust-repellent and anti-oil finishing layer on concrete and Ultratop, or as a finishing layer on epoxy systems.

The main characteristic of Mapecolor Finish 52 W is that, if it is applied on Ultratop or concrete, it does not modify the appearance of the substrate and does not leave a "wet-look" finish.

The two components which make up Mapecolor Finish 52 W must be mixed together using a drill fitted with a low-speed stirrer, until a homogenous blend is obtained, and then applied uniformly using a short-haired roller. It is possible to add 3-5% in weight of Mapecolor Filler to Mapecolor Finish 52 W to leave the surface with a non-slip finish, according to the level of non-slip effect required.

Consumption

0.1-0.2 kg/m² each coat according to the absorbency of the substrate.

Packaging

5.4 kg units (A + B).



Mapecolor I 600 W



Two-component, transparent epoxy finish in water dispersion.

Mapecolor I 600 W is used both for consolidating absorbent, porous cementitious substrates and as a primer before the application of Mapecolor I 500 W (Mapecolor System 53) or as a finishing layer on Ultratop.

Mapecolor I 600 W is a two-component, transparent epoxy finish in water dispersion which has a final opaque appearance which, when applied on absorbent substrates, takes up a wet-look effect.

The two components which make up Mapecolor I 600 W must be mixed together using a low-speed drill with a mixer attachment, until a homogenous blend is obtained. If used as impregnating product a first coat must be prepared by diluting the product with water with the ratio from 1 : 3 to 1 : 4 (1 part product to 3-4 parts of water), according to the substrate absorption; the second coat must be diluted from 1 : 1 to 1 : 3 (1 part product with 1-3 parts of water). The use of Mapecolor I 600 W as primer for Mapecolor I 500 W only requires application in one single coat by diluting the product with water by the ratio of 1 : 1. Wait for 3-4 hours before applying Mapecolor I 500 W.

Mapecolor I 600 W must be stirred with drill for at least 3 minutes for both kind of application after water addition.

Mapecolor I 600 W is applied with a medium or long-haired roller, by spraying or with an airless spray-gun.

Consumption

- as impregnating compound: 60-100 g/m² each coat, depending on absorption;
- as primer: 300-500 g/m², depending on absorption.

Packaging

units of 5.9 kg (A + B).



"Mancanelli" industrial building - Tribiano (Milan) - Italy

Covering the new concrete floor using:

MAPEFLOOR SYSTEM 33 (PRIMER SN, MAPEFLOOR I 300 SL, MAPECOLOR PASTE, QUARTZ 0.25, QUARTZ 0.5, MAPEFLOOR FINISH 51)

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Keraseal

Transparent protective sealer for porous tiles (Cotto Toscano, etc.).

Applications:

Treatment of terracotta: reduces porosity to make it suitable to receive final wax. Final treatment instead of wax when a bright and lasting stain-resistant, non absorbent easily cleaned surface is required.

Technical data:

Consistency: very fluid liquid.

Set to light foot traffic: 12 hours.

Ready for use: 3 days.

Application: dampened cloth.

Storage: 24 months.

Consumption

100-200 g/m² per coat.

Packaging

10 kg drums and 18x1 kg packs.



Mapelux Lucida

Shiny, metal-filled, high-resistance, double-reticulation floor wax.

Mapelux Lucida is used inside buildings for civil use, such as shops, showrooms, apartments, offices, etc. for protecting floors made using the **Mapecolor System** subject to particularly intense use, or to make maintenance operations of the finishing treatment on floors made using **Ultratop** easier.

Mapelux Lucida is a shiny, metal-filled wax characterised by its high resistance to traffic and frequent cleaning, even if strong detergents are used.

Thanks to the product's double reticulation which binds all the components, the **Mapelux Lucida** film is easy to clean and marks and stains left by traffic may be removed by a simple washing cycle.

Mapelux Lucida is extremely fluid and is easy and quick to spread on the surface. **Mapelux Lucida** must be applied in two criss-cross coats, to obtain good protection of the surface.

Spread the first coat of **Mapelux Lucida** uniformly using a special waxing tool. Once the first coat has completely dried, spread the second coat at right angles to the first coat.

Consumption

50 g/m².

Packaging

10 kg cans.



Mapelux Opaca

Matt, metal-filled, high-resistance, double-reticulation floor wax.

Mapelux Opaca is used inside buildings for civil use, such as shops, showrooms, apartments, offices, etc. for protecting floors made using the **Mapecolor System** subject to particularly intense use, or to make maintenance operations of the finishing treatment on floors made using **Ultratop** easier.

Mapelux Opaca is a matt, metal-filled wax characterised by its high resistance to traffic and frequent cleaning, even if strong detergents are used.

Thanks to the product's double reticulation which binds all the components, the **Mapelux Opaca** film is easy to clean and marks and stains left by traffic may be removed by a simple washing cycle.

Mapelux Opaca is extremely fluid and is easy and quick to spread on the surface. **Mapelux Opaca** must be applied in two criss-cross coats, to obtain good protection of the surface.

Spread the first coat of **Mapelux Opaca** uniformly using a special waxing tool. Once the first coat has completely dried, spread the second coat at right angles to the first coat.

Consumption

50 g/m².

Packaging

10 kg cans.



Aggregates, anti-slip fillers and thickeners

Gravel 3-5 Gravel 6-10



Gravel 3-5 and Gravel 6-10 are selected and graded in a range of 3 to 5 mm and 6 to 10 mm respectively, and are used for preparing castable mortar poured into formwork for thicknesses of more than 2 cm.

Gravel 3-5 is a silica-based stone aggregate selected and graded in a range of from 3 to 5 mm, and is used for mixing mortar from the **Mapegrout** range when the thickness to be repaired is more than 2 cm.

Gravel 6-10 is a silica-based stone aggregate selected and graded in a range of from 6 to 10 mm, and is used for mixing repair mortar such as **Mapegrout Colabile** or expanded mortar such as **Mapefill** when the thickness to be repaired is more than 2 cm.

Consumption

Gravel 3-5:

30-100% of the weight of the pre-blended mix, according to the thickness to be repaired and the fluidity required.

Gravel 6-10:

30-100% of the weight of the pre-blended mix, according to the thickness to be repaired and the fluidity required.

Packaging

Gravel 3-5: 25 kg bags;

Gravel 6-10: 25 kg bags.

Quartz 0.25 0.5 - 1.2 - 1.9



Spherical, grey, alluvium quartz for the Mapefloor Systems and Triblock P.

Quartz 0.25

Selected, graded blend of grey, alluvium quartz with a trigonal crystalline structure and a maximum inert size of 0.25 mm. Used for self-levelling compounds in combination with **Mapefloor I 300 SL** for the **Mapefloor Systems** and with **Triblock P**.

Quartz 0.5

Selected, graded blend of grey, alluvium quartz with a trigonal crystalline structure and a maximum inert size of 0.5 mm. Used for sprinkling purposes in combination with **Primer SN** or **Mapefloor I 300 SL** for the **Mapefloor Systems** and **Triblock P**.

Quartz 1.2

Selected, graded blend of grey, alluvium quartz with a trigonal crystalline structure and a maximum inert size of 1.2 mm. Used for sprinkling purposes in combination with **Primer SN** or **Mapefloor I 300 SL** for the multi-layered **Mapefloor Systems**.

Quartz 1.9

Selected, graded blend of grey-coloured, alluvial quartz with a trigonal crystalline structure and a maximum inert size of 1.9 mm. Used for manufacturing damp-earth consistency mortar in combination with **Mapefloor I 910** or **Mapefloor I 900** for the **Mapefloor 91 Systems**.

Consumption

According to which systems they are used with. Please refer to the **Mapefloor System** and **Triblock P** Technical Data Sheets.

Packaging

Units of 25 kg.

Mapecolor Filler

Super-fine powder charges added to obtain a non-slip finish.
Mapecolor Filler is made up of super-fine powder charges which are extremely hard wearing, which are added to **Mapecolor Finish 50**, **Mapecolor Finish 51**, **Mapecolor Finish 52 W** and **Mapecolor I 620 W**.
 After preparing the product required, add 3-10% in weight of **Mapecolor Filler** while mixing slowly and continuously. After mixing with **Mapecolor Filler**, the various finishes are to be applied evenly using a short-haired, mohair brush, a medium-haired brush or a long-haired brush on top of **Mapecolor System**, **Ultratop** and concrete.

Consumption
 5-10 g/m².

Packaging
 0.3 kg jars.



Additix PE

Admixture for epoxy and polyurethane products to make them thicken and thixotropic.

Additix PE is a product for epoxy and polyurethane resins to make them thicken and thixotropic.

Additix PE is used to make epoxy and polyurethane resins thixotropic in order to: apply thick layers of paint on vertical surfaces, prepare shells and skirting, repair and smooth out defects and imperfections of concrete substrates.

Additix PE must be added, from 2% to 5% by weight of the resin to thicken, depending on the needed thickness or need of thixotropic property, to epoxy and polyurethane resins, after they have been completely mixed with their catalysts. Mix with a low speed drill fitted with a mixer until **Additix PE** is perfectly mixed in.

Consumption
 2-5% in weight by weight of the resins.

Packaging
 1 kg drums.



"Kedron" warehouse building - Lucca - Italy
 Restoration of the old floor using:
 MAPEFLOOR SYSTEM 91 (MAPEFLOOR I 910,
 QUARTZ 1.9, MAPEFLOOR FINISH 50)



Dynastone Color

Coloured cementitious aggregates incorporated in the production of polished bricks and pre-cast panels for decorating floors and for elements used in urban design.

Dynastone Color artificial aggregates, are particularly suitable for decorative purposes in the conventional and pre-cast building sector and for decorative architectural solutions.

When mixed with a suitable cementitious or organic binder, **Dynastone Color** aggregates may be used to create floors, cladding panels or pre-cast elements.

When added to self-levelling systems such as **Ultratop**, **Dynastone Color** aggregates are ideal for creating decorative pavements such as "Venetian Terrazzo".

The mix is prepared by blending **Dynastone Color** with **Ultratop** in a cement mixer at a ratio of approximately 1:1 in weight and adding water at a rate of approximately 10% of the total weight of the mix.

The dry-polishing process which brings out the aesthetic effect of the assorted grain-sizes, colours and rounded shape of the **Dynastone Color** aggregates may be carried out within only a few days of applying the mix.

When sprinkled on loosely, **Dynastone Color** aggregates may be used as ornamental elements in internal and external environments when creating flower beds or pedestrian areas.

Dynastone Color aggregates are available in red, yellow, white, orange, brown, green and blue.

Consumption
when mixed with **Ultratop**: 10 kg/m² per cm of thickness.

Packaging
25 kg bags.



**Cristalli
Colorquartz™ 3M**

Colorquartz™ 3M Crystals are grains of extremely pure quartz covered with ceramic material containing inorganic pigments following a baking process carried out in special, high-temperature furnaces, which give each crystal a bright colour. **Colorquartz™ 3M Crystals** are UV stable, do not yellow and are highly resistant to abrasion and chemical attack.

Used in conjunction with various types of synthetic resin, **Colorquartz™ 3M Crystals** are ideal for laying floors in both internal and external areas for industrial, commercial or public use, such as schools, hospitals, offices and private homes.

When mixed with cementitious-based, self-levelling systems, followed by a dry-polishing treatment, **Colorquartz™ 3M Crystals** allow floors to be created with high resistance to abrasion and with a highly attractive finish, in shops, showrooms, offices, schools and homes. Thanks to their aesthetic and resistance qualities, **Colorquartz™ 3M Crystals** may also be sprinkled loosely on single-layered concrete floors which have to be polished. Unlike conventional coloured quartz, which loses its colour after polishing treatments and/or wear due to the passage of vehicles, **Colorquartz™ 3M Crystals** maintain their bright-coloured, transparent appearance.

Colorquartz™ 3M Crystals are available in two grades:

Grade S, which are spherical with an average diameter of 0.7 mm, and are available in 13 standard colours

Grade T, which have a sharper shape with an average diameter of 1.3 mm, and are available in 5 different colours (white, red, blue, emerald green and black).

Consumption

according to type of application.

Packaging

22.68 kg (50 lb) bags.



Sealing and waterproofing expansion and distribution joints

Mapefoam

Round closed cell expanded polyethylene foam cord as an aid to elastomeric sealants for the correct sizing of the movement joints.

Available in coils where the length is proportionate to the diameter.

Mapefoam is placed at the base of the movement joints (expansion and separation).

Appropriately positioned in depth, it allows the joint to be filled correctly with a flexible product to the designed thickness ensuring a properly formed seal with good adhesion to the sides of the joint.

Consumption

according to the length of the joint.

Packaging

Ø 6 mm	boxes:	2500 m	length
Ø 10 mm	"	550 m	"
Ø 15 mm	"	550 m	"
Ø 20 mm	"	350 m	"
Ø 25 mm	"	200 m	"
Ø 30 mm	"	160 m	"

Primer AS

One component transparent primer for absorbent surfaces.

Primer AS is a one component, epoxy-isocyanic primer in solvents used on absorbent surfaces, to help the bonding of **Mapeflex PU45**, **Mapeflex PU50 SL** and **Mapeflex PU55 SL** one component, polyurethane sealants for sealing flooring joints, with, respectively, low and medium modulus of elasticity.

Primer AS may also be used when the joints are subject to frequent, prolonged contact with liquids or high mechanical stresses after sealing.

Primer AS is ready for use. It is applied by brush in a number of coats, according to the porosity of the substrate. The successive sealant must only be applied once the primer is no longer sticky, after approximately 60 minutes at +23°C and 50% R.H.

Consumption

100-150 g/m² (20-30 g/m for a joint with a depth of 1 cm).

Packaging

250 g cans.



Primer M



One component, solvent-free primer for non-absorbent surfaces.

Primer M is a one component, solvent-free polyurethane primer used to improve the bonding of polyurethane sealants, such as **Mapeflex PU45**, **Mapeflex PU50 SL** and **Mapeflex PU55 SL**, and adhesives, such as **Ultrabond P990 1K** and **Mapegum PU 1K**, on non-absorbent surfaces, such as metals (iron, steel, aluminium, copper, zinc-plated sheets), ceramics, klinker, glass and painted sheets.

Primer M is ready for use, and is applied by brush or a roller in a thin, uniform coat. The successive sealant or adhesive must only be applied once the primer is no longer sticky to the touch, after approximately 40 minutes at +23°C and 50% R.H.

Consumption

50-60 g/m² (10-12 g/m for a joint with a depth of 1 cm).

Packaging

250 g cans.



Mapeflex PU20



Two-component, self-levelling, polyurethane sealant for horizontal movement joints with expansion up to 10% of the initial size.

Mapeflex PU20 is a two-component, epoxy-polyurethane resin-based sealant with special catalysers.

When the two components are carefully mixed together, an homogenous paste with a fluid consistency is obtained, which is easy to pour into joints.

Mapeflex PU20 may only be applied on horizontal surfaces.

Mapeflex PU20 is used to form flexible of interior and exterior movement joints (expansion, separation, control joints, etc.) in ceramic, concrete, wood, etc. floors subject to heavy traffic such as stores, garages, supermarkets etc.

Mapeflex PU20 is classified F-7.5 in compliance with ISO 11600 standards.

Consumption

depending on the size of the joint.

Packaging

10 and 5 kg drums (A+B).



Mapeflex PU30



Two-component thixotropic polyurethane sealant.

Mapeflex PU30 is a two-component thixotropic sealant consisting of a isocyanate-free polyurethane polymer (part A) and a special hardener (part B). Mixing the two components produces a uniformly coloured thixotropic paste easily workable with a flat trowel.

Mapeflex PU30 can be used on both vertical and horizontal surfaces.

Use **Mapeflex PU30** for flexible sealing of expansion joints in concrete walls. More in general, for vertical structures, both interior and exterior, where a thixotropic product with high resistance to chemical agents and waterproof is required. Sealing joints in ceramic tile floors subject to heavy traffic such as supermarkets, industrial areas with forklift trucks, sidewalks, pedestrian crossings, arcades, squares, etc. Sealing construction joints in concrete floors of car parks and industrial buildings subject to vehicle traffic. Flexible sealing of industrial machine beds, piping, discharges, drains, joints in rubber and PVC flooring.

Mapeflex PU30 is classified F-7.5 in compliance with ISO 11600 standards.

Consumption

depending on the size of the joint.

Packaging

10 and 5 kg drums (A+B).



Mapeflex PU45



One component, thixotropic, rapid-hardening polyurethane sealant and adhesive with a high modulus of elasticity.

Mapeflex PU45 is used for sealing expansion and distribution joints in concrete walls and floors subject to movement up to 7.5%, in internal and external car-parks, supermarkets, shopping centres and warehouses. It may also be used as an adhesive for bonding various materials together on a wide range of substrates. **Mapeflex PU45** offers a perfect bond for stone and brickwork, metallic elements, such as flashing and guttering, wooden and plastic baseboards, cable beads and decorative gypsum elements.

Mapeflex PU45 is a one component, thixotropic, rapid-hardening and flexible polyurethane compound, that is particularly easy to apply on both horizontal and vertical surfaces using a special extrusion gun or by trowel.

Mapeflex PU45 bonds well to concrete and natural stone substrates, even if they have not been primed. However, we recommend the use of **Primer AS** if the surface is weak, or has a slightly powdery surface, if the joints are subject to high mechanical stress or in frequent, prolonged contact with liquids.

Good adhesion is obtained when **Mapeflex PU45** is applied to surfaces which are not absorbent, such as iron, steel, aluminium, copper, ceramic, glass, zinc-plated or painted sheet. However, to further improve bonding, we recommend that under certain conditions, the substrate material is treated with **Primer M**.

The product is ready to use and is available in recyclable aluminium tubes, equipped with a special extrusion gun which makes the product particularly easy to use.

Mapeflex PU45 is classified F-7.5 HM in compliance with ISO 11600 standards.

Consumption

- used as sealant: according to the size of the joint;
- used as adhesive: according to the method used (formation of a bead or spot-application).

Packaging

boxes of 20 pcs. (600 ml soft cartridges).



Mapeflex PU50 SL



One component, fluid, polyurethane sealant with a low modulus of elasticity for sealing flooring joints subject to movements up to 25%.

Mapeflex PU50 SL is a one component, flexible polyurethane-based sealant which is easy to apply, for use on horizontal surfaces or surfaces with a maximum slope of 2%.

Mapeflex PU50 SL is used for sealing expansion and distribution joints in internal and external horizontal surfaces subject to movements of up to 25% of their original size under continuous use.

Mapeflex PU50 SL bonds well to concrete and natural stone substrates, even if they have not previously been primed. However, we recommend the use of **Primer AS** if the surface is not solid enough, if it has a slightly powdery surface or if the joints are subject to high mechanical stress or frequent, prolonged contact with liquids. If **Mapeflex PU50 SL** is applied on surfaces which are not absorbent, such as iron, steel, aluminium, copper, ceramic, glass or zinc-plated or painted sheet, adhesion may be improved if the material is treated with **Primer M**. The product is ready to use and is available in recyclable aluminium tubes, equipped with a special extrusion gun which makes the product particularly easy to use.

Mapeflex PU50 SL is classified F-25-LM in compliance with ISO 11600 standards.

Consumption

according to the size of the joint.

Packaging

boxes of 20 pcs. (600 ml soft cartridges).



Mapeflex PU55 SL



One component, fluid, polyurethane sealant with a high modulus of elasticity for sealing flooring joints subject to movements up to 7.5%.

Mapeflex PU55 SL is a one component, flexible polyurethane-based sealant which is easy to apply, for use on horizontal surfaces or surfaces with a maximum slope of 2%.

Mapeflex PU55 SL is used to seal expansion and construction joints in horizontal surfaces, even those which are subject to occasional chemical attack provoked by hydrocarbons, and for sealing joints in internal industrial floors.

Mapeflex PU55 SL bonds well to concrete and natural stone substrates even if they have not previously been primed. However, we recommend the use of **Primer AS** if the surface is not solid enough, if it has a slightly powdery surface or if the joints are subject to high mechanical stress or frequent, prolonged contact with liquids. If **Mapeflex PU55 SL** is applied on surfaces which are not absorbent, such as iron, steel, aluminium, copper, ceramic, glass or zinc-plated or painted sheet, adhesion may be improved if the material is treated with **Primer M**. The product is ready to use and is available in recyclable aluminium tubes, equipped with a special extrusion gun which makes the product particularly easy to use.

Mapeflex PU55 SL is classified F-7.5 in compliance with ISO 11600 standards.

Consumption

according to the size of the joint.

Packaging

boxes of 20 pcs. (600 ml soft cartridges).



Mapeflex PB25

Two-component, flexible, polyurethane resin and special bitumen based sealant with thixotropic consistency and resistant to hydrocarbons.

Mapeflex PB25 is a two-component thixotropic sealant consisting of a isocyanate-free polyurethane polymer (part A) and a special hardener (part B). By mixing the two components of **Mapeflex PB25**, a black coloured thixotropic paste, easily workable with a flat trowel, is obtained.

Use **Mapeflex PB25** for flexible sealing of joints in concrete walls. More in general, for vertical structures, both interior and exterior, where a thixotropic product with high resistance to chemical agents, hydrocarbons and waterproof is required. Sealing joints in airport runways, construction joints in concrete floors of car parks, service areas and industrial buildings subject to vehicle traffic. Flexible sealing around machine beds in industry where resistance to hydrocarbons is required.

Mapeflex PB25 is classified F-25-LM in compliance with ISO 11600 standards.

Consumption
depending on the size of the joint.

Packaging
10 kg drums (A+B).



Mapeflex PB27

Two-component, self-levelling, flexible sealant based on polyurethane polymers modified with hydrocarbon resins.

Mapeflex PB27 is a two-component self-levelling sealant consisting of a isocyanate-free polyurethane polymer (part A) and a special hydrocarbon resin-based hardener (part B). Mix the two components accurately together to obtain a self-levelling black-coloured paste that flows easily.

Mapeflex PB27 is used for sealing of expansion joints, highly resistant to hydrocarbons.

Mapeflex PB27 is formulated for sealing expansion joints in airport runways, highways, parking lots and garages, service areas and structures subject to vehicle traffic.

Mapeflex PB27 is classified F-25-LM in compliance with ISO 11600 standards.

Consumption
depending on the size of the joint.

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



Mapei Group



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