



# Coating systems

 **MAPEI**



# Coloured coatings range

While the coloured coatings sector is considered to be a world in itself, attention is scarcely paid to the surfaces on which they are applied and with which they interact in order to determine their durability.

Since the mid 1940's, Mapei has offered a wide range of dedicated mortars, renders, smoothing compounds and finishing products which make up an Integrated Application System, and which has also inspired a large number of product brand names as listed below.

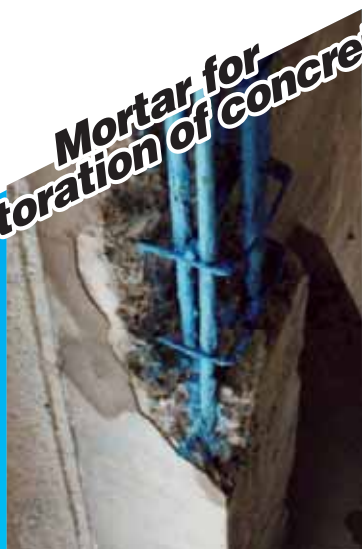
MAPEI's high level of diagnostic skill and vast experience in the use of chemical products in the Large Projects Construction Sector and Industrial Sector means guaranteed results, longevity of the installation and quicker, more economical operations for the installation team.

"Protective" technology is not sufficient for facades in modern cities, as a finishing product must be "decorative" as well as "protective". This is why Mapei, which has always been at the forefront in the protection and conservation of buildings, has widened its finishing products for walls to include the ColorMap® system to achieve "limitless colours" which, apart from being the component with the greatest aesthetic appeal, also gives "added value" to the work itself.

For further information on the products available, refer to the Technical Data Sheets contained in the "Finishing Products" binder, on the Global Infonet CD, the Mapetherm calculation CD, the ColorMap® CD and on the Mapei website at [www.mapei.com](http://www.mapei.com).

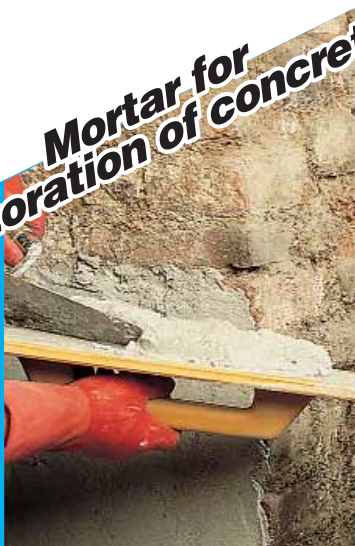
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# Mortar for restoration of concrete

## Mapefer



**Two-component corrosion-inhibiting cementitious mortar for the protection of reinforcing rods.**  
**Mapefer** is a mortar made up of polymers in water dispersion, cement binders and corrosion inhibitors to apply on reinforcing rods when repairing concrete.  
**Mapefer** is supplied as two pre-measured components which must be mixed without adding water or other ingredients.  
**Mapefer** is applied by brush to the rods which must be free of rust, oil, grease and loose particles. The rods must be cleaned beforehand by vigorous scrubbing or sand-blasting.  
After **Mapefer** has dried (minimum 4 hours), a repair mortar can be applied (**Mapegrout** range).

**Consumption**  
150 g/m for rods 10 mm in diameter.

**Packaging**  
2 kg (A+B).



## Mapefer 1K



**One-component corrosion-inhibiting cementitious mortar for the protection of reinforcing rods.**

**Mapefer 1K** is used as a re-alkalising corrosion-inhibiting protection for reinforcing rods, in the reparation of concrete carried out with shrinkage compensating mortars from the **Mapegrout** range or with normal cementitious mortars modified with synthetic resin latexes. It can be applied also in underground concrete constructions.

**Mapefer 1K** is a one-component mortar based on polymers in water dispersion, cement binders and corrosion inhibitors, to be applied on reinforcing rods to prevent rust formation.  
Apply two coats of **Mapefer 1K** with a brush on the re-bars freed of rust. The second coat can be applied after 90-120 minutes after the application of the first coat but preferably within 24 hours. It is recommended to completely cover the surfaces of the rods in one homogeneous coat. The total thickness of the two coats must be approximately 2 mm. Reparation with products from the **Mapegrout** range must be carried out once **Mapefer 1K** is dry (approximately 6 hours at +20°C).

**Consumption**  
250 g/m (approximately 2 mm of applied product on an 8 mm diameter rod).

**Packaging**  
carton boxes each containing four 5 kg bags.





## Mapegrout Thixotropic

### Controlled-shrinkage fibre-reinforced mortar for the repair of concrete.

Use **Mapegrout Thixotropic** for all concrete repairs such as: reconstruction of concrete cover, repairs of corners, beams, columns and balconies damaged by rusted reinforcing rods.

Due to its high mechanical strength **Mapegrout Thixotropic** can be used for structural repairs.

Made from cement binders, graded aggregate, special additives and synthetic fibres, **Mapegrout Thixotropic** is prepared by mixing a 25 kg bag with 3.9-4.3 litres of water.

**Mapegrout Thixotropic** is applied by trowel, float or sprayer onto sound substrates, which must be free of loose particles, have a rough surface and been soaked with water beforehand.

Repairs up to 30-35 mm thick in a single coat can be made without using formwork. To improve open-air curing and further reduce shrinkage, **Mapegrout Thixotropic** can be mixed with 0.25% by weight of **Mapecure SRA**, curing agent.

#### Consumption

19 kg/m<sup>2</sup> per cm of thickness.

#### Packaging

25 kg bags.



Asturian Centre Building - Havana - Cuba  
Restoration and protection of the façades of the building using:  
**MAPEGROUT THIXOTROPIC**,  
**MAPEFER**, **MAPE-ANTIQUE FC**, **MAPE-ANTIQUE MC**,  
**MAPE-ANTIQUE LC**, **SILEXCOLOR PAINT**





# Mapegrout T40



## Medium strength (40 N/mm<sup>2</sup>) thixotropic mortar for the repair of concrete.

Use **Mapegrout T40** to repair damaged concrete surfaces such as balconies and corners of columns and beams.

**Mapegrout T40** is also recommended for repair work in tunnels, canals and water works in general.

**Mapegrout T40** can also be used to repair surfaces permanently in contact with drinking water.

**Mapegrout T40**, mixed with about 16% water, forms a very workable mortar with a thixotropic consistency that is easily applied on vertical surfaces without shuttering.

**Mapegrout T40** is applied by trowel, float or sprayer onto sound, rough substrates that are free of loose particles, and been saturated with water beforehand.

Repairs up to 30-35 mm thick in a single coat can be made.

To improve open-air curing and further reduce shrinkage, **Mapegrout T40** can be mixed with 0.25% by weight of **Mapecure SRA**, curing agent.

## Consumption

18.5 kg/m<sup>2</sup> per cm of thickness.

## Packaging

25 kg bags.



*Suspended storage tank – Adria - Italy*  
 Restoration and protection of the concrete  
 of the storage tank using:  
 MAPEFER, MAPEFILL, MAPEGROUT T40,  
 MAPE-ANTIQUE RINZAFFO, MAPE-ANTIQUE MC,  
 NIVOPLAN, PLANICRETE, IDROSILEX PRONTO,  
 MAPELASTIC, IDROSTOP, IDROSTOP MASTIC,  
 MAPECOAT I24, PLANITOP 100, MONOFINISH,  
 SILANCOLOR PRIMER, SILANCOLOR PAINT,  
 ELASTOCOLOR PRIMER, ELASTOCOLOR PAINT



## 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.

**Consumption**  
approx. 21.0 kg/m<sup>2</sup> per cm of thickness.

**Packaging**  
25 kg bags;  
4.7 kg drums.



## Planitop 400



**Fast setting shrinkage compensated thixotropic mortar for cortical restoration and the finishing of reinforced concrete by applying in a single coat a thickness of mortar variable between 1 and 40 mm.**

**Planitop 400** is used for deep cortical restoration and very thin smooth finishing of damaged reinforced concrete such as cornices and front side of the concrete slab of balconies, damaged corners, beams and columns, concrete panels and patch-work concrete industrial flooring.

**Planitop 400** is a pre-packed powder that consists of special hydraulic binders, selected fine graded aggregate and special additives.

**Planitop 400** is prepared by mixing one 25 kg bag with 3.5-4 l of clean water and must be applied within 10-15 minutes with a trowel or float on a sound clean substrate that has been previously saturated with water. The maximum thickness that can be applied is 40 mm when **Planitop 400** is used as a repair mortar, and 5 mm when it is used as a smoothing compound. Surfaces are ready to use after several hours after the application of **Planitop 400**.

**Consumption**  
18.5 kg/m<sup>2</sup> per cm of thickness.

**Packaging**  
25 kg bags and boxes containing 4 bags each of 5 kg.



**Mortar for  
de-humidifying and  
normal renders**



Palazzo Ferri - Trapani - Italy  
Restoration and decoration of the façades using:  
MAPE-ANTIQUE MC, MAPE-ANTIQUE RINZAFFO,  
SILEXCOLOR PRIMER, SILEXCOLOR TONACHINO



## Mape-Antique Rinzafo



**Light-coloured salt-resistant cement-free pre-packed mortar to be used before applying Mape-Antique MC, Mape-Antique CC and Mape-Antique LC, dehumidifying mortars on stone, tuff and brick substrates.**

**Mape-Antique Rinzafo** is especially recommended as first coat in the restoration of old stone, tuff and brick buildings damaged by the strong presence of chlorides. It is especially recommended to improve the adhesion and chemical/physical resistance to soluble salts of macro-porous mortars such as **Mape-Antique MC**, **Mape-Antique CC**, and **Mape-Antique LC** dehumidifying mortars.

**Mape-Antique Rinzafo**'s special properties prevent soluble salts from penetrating macro-porous mortars. The hygroscopicity of soluble salts such as chlorides can cause localised humidity in mortars used in insufficiently ventilated areas.

Mix a 20 kg bag of **Mape-Antique Rinzafo** with 5 to 5.5 l of water in an ordinary job site mixer for 5-6 minutes.

**Mape-Antique Rinzafo** is applied by trowel in a maximum thickness of approx. 5 mm.

### Consumption

7.5 kg/m<sup>2</sup> per 5 mm of thickness.

### Packaging

20 kg bags.



## Mape-Antique MC



**Pre-packed, cement-free, light coloured dehumidifying mortar for the restoration of damp stone, brick and tuff masonry.**

**Mape-Antique MC** is especially recommended for the restoration of stone, brick and tuff buildings damaged by capillary rising damp and for the restoration of structures damaged by soluble salts.

**Mape-Antique MC** is applied after applying **Mape-Antique Rinzafo** and is suitable for the restoration of buildings damaged by chlorides.

Mix a 25 kg bag of **Mape-Antique MC** with 3.5-4 l of water in a cement mixer for 5-6 minutes.

**Mape-Antique MC** is applied by trowel and should not be less than 2 cm thick.

### Consumption

15 kg/m<sup>2</sup> per cm of thickness.

### Packaging

25 kg bags.



## Mape-Antique LC



**Cement-free binder for light-coloured dehumidifying mortars for the restoration of damp stone, brick and tuff masonry.**

**Mape-Antique LC** is a pre-packed sulphate-resistant binder used to prepare thick-bed mortars and dehumidifying renders to restore masonry subject to rising damp or damaged by soluble salts present in the ground, water table, and construction materials.

**Mape-Antique LC** is a ready-to-use white coloured binder, with a base of hydraulic materials with pozzolanic action, synthetic fibres and additives and can be tinted on site with inorganic oxides. Mix a 20 kg bag of **Mape-Antique LC** with 40 kg of sand graded between 0.5 and 2.5 mm or with 50 kg of sand graded from 0.5 to 5 mm in a cement mixer for 5-6 minutes.

The **Mape-Antique LC** mortar should be applied after applying **Mape-Antique Rinzafo** and is suitable for the restoration of buildings damaged by chlorides and sulphates. For maximum dehumidifying, plasters produced with **Mape-Antique LC** must not be less than 20 mm thick.

**Consumption**  
from 500 kg/m<sup>3</sup> with sand graded between 0.5 and 2.5 mm to 440 kg/m<sup>3</sup> with sand graded between 0.5 and 5 mm.

**Packaging**  
20 kg bags.



## Mape-Antique FC Mape-Antique FC/R



**Cement-free fine mortars, respectively light-coloured and light pink, for finishing dehumidifying mortars applied on stone, brick and tuff masonry.**

**Mape-Antique FC** is a light-coloured pre-packed sulphate-resistant mortar used for finishing rougher dehumidifying plasters such as **Mape-Antique MC** and **Mape-Antique LC**.

**Mape-Antique FC** is also available in the light pink **Mape-Antique FC/R** version for finishing **Mape-Antique CC** plaster.

**Mape-Antique FC** and **Mape-Antique FC/R** are ready-to-use mortars with a base of hydraulic binders with pozzolanic action, special additives and finely graded natural sand.

Mix a 25 kg bag of **Mape-Antique FC** or **Mape-Antique FC/R** with 5.75-6.0 l of water with a drill filled with an agitator until completely blended.

**Mape-Antique FC** and **Mape-Antique FC/R** are applied with a trowel or spatula on clean substrates that have been saturated with water beforehand, in a thickness of 1-2 mm. After 15-20 minutes the surface can be finished with a sponge float.

**Consumption**  
1.45 kg/m<sup>2</sup> per mm of thickness.

**Packaging**  
25 kg bags.











*Basilica of San Francesco d'Assisi - Assisi - Italy  
Consolidation of the masonry using:  
MAPE-ANTIQUE I, MAPE-ANTIQUE F21*



**Mape-Antique I**



**Cement-free fillerized hydraulic binder, for consolidating, by injection, stone, brick work and tuff structures.** Mape-Antique I is a pre-packed sulphate-resistant binder used to obtain injection slurries to consolidate stone cavity walls, refill cavities, cracks and internal porosity present in period structures in stone and brick.

Mape-Antique I is a ready-to-use binder with a base of pozzolanic-reaction inorganic materials, special additives and ultra fine fillers.

Mix a 20 kg bag of Mape-Antique I with 7 l of water with a drill fitted with an agitator, until a homogeneous mix is obtained.

Mape-Antique I is applied with an injection pump ("Clivio" type) manually or automatically.

**Consumption**

approximately 1.40 kg/dm<sup>3</sup> of cavity to be filled.

**Packaging**

20 kg bags.



**Mape-Antique F21**



**Super fluid cement-free fillerized hydraulic binder, for consolidating, by injection, stone, brick and tuff structures, especially suitable for frescoed walls.**

Mape-Antique F21 is especially recommended for consolidating stone, brick, tuff walls and arches of buildings, cracked and/or frescoed renders.

Mape-Antique F21 mixed with 10.2 l of water in a high turbulence mixer or with a drill fitted with a whip, produces a fluid and stable slurry. The slurry can fill the cavities of the structures that need consolidation and gradually hardens through a pozzolanic reaction without inter-reaction (dangerous reactions) with bricks, stones and existing mortars even in the presence of soluble salts (e.g. sulphates).

**Consumption**

1.04 kg/dm<sup>3</sup> of cavity to be filled.

**Packaging**

17 kg bags.





Villa Brancati - Marzamemi - Italy  
 Restoration and decoration of the façades using:  
 MAPEFER, MAPEGROUT T60, POROMAP INTONACO, POROMAP RINZAFFO  
 SILANCOLOR PRIMER, SILANCOLOR TONACHINO

**PoroMap  
 Rinzafo**

**Pre-packed salt-resistant mortar to be applied before the dehumidifying and thermal insulating render PoroMap Intonaco.**

**PoroMap Rinzafo** is an adhesive mortar, resistant to salts, composed of special hydraulic binders with pozzolanic reaction, natural sand and special additives. The product must be applied before creating the dehumidifying render with **PoroMap Intonaco** on stone, brick and tuff substrates.

Applied as a first layer, **PoroMap Rinzafo** is especially suitable for repairing old stone, tuff and brick buildings damaged by the strong presence of soluble salts.

**PoroMap Rinzafo's** special properties prevent soluble salts from penetrating macro-porous mortars. The hygroscopicity of soluble salts such as chlorides, sulphates and nitrates can cause localised humidity in mortars used in insufficiently ventilated areas.

Mix a 25 kg bag of **PoroMap Rinzafo** with 4.6 l of water in a cement mixer for 5-6 minutes.

**PoroMap Rinzafo** is applied, maximum 5 mm thick, with a trowel or sprayed with a suitable worm screw spraying machine or with a continuously mixing pump.

#### **Consumption**

7.5-8 kg/m<sup>2</sup> per 5 mm of thickness.

#### **Packaging**

25 kg bags.





## PoroMap Intonaco

**Grey coloured, pre-packed, dehumidifying and thermal insulating salt-resistant mortar, for the restoration of damp stone, brick and tuff masonry. Applied manually or by machine.**

**PoroMap Intonaco** is a pre-packed dehumidifying mortar that is applied by hand or sprayed. It is composed of special hydraulic binders with pozzolanic reaction, natural sand and special additives.

**PoroMap Intonaco** is used for restoring stone, brick and tuff masonry damaged by rising damp.

**PoroMap Intonaco**, applied after **PoroMap Rinzafo**, is suitable for repairing buildings damaged by the strong presence of soluble salts.

Mix a 20 kg bag of **PoroMap Intonaco** with 6-6.1 l of water in a cement mixer for 5-6 minutes.

**PoroMap Intonaco** is applied, minimum 2 cm thick, with a trowel or sprayed with a suitable worm screw spraying machine or with a continuously mixing pump.

### Consumption

9-10.5 kg/m<sup>2</sup> per cm of thickness.

### Packaging

20 kg bags.



## Nivoplan

**Levelling mortar for interior and exterior walls and ceilings.**

### Applications:

Interior and exterior levelling "out-of-plumb" walls, rough or damaged renders, brick walls before laying ceramic tiles. Suitable for applying in thin coats on all conventional surfaces (concrete, cement-lime mortar, cementitious mortar, etc.). To improve bonding or consistency of thin coats, add 1 or 2 kg of **Planicrete** per bag.

### Consumption

1.4 kg/m<sup>2</sup> per mm of thickness.

### Packaging

25 kg bags.





# Smoothing compounds for concrete and rendered surfaces



## Mapectin



### Two-component cementitious mortar for finishing concrete surfaces.

**Mapectin** is used to level small imperfections of poured concrete and to smooth surfaces after repairs.

**Mapectin** is suitable for surfaces permanently in contact with drinking water, as long as after its application, it is washed repeatedly with water at +40°C.

**Mapectin** is supplied as two pre-measured components which must be mixed without adding water or other ingredients.

The mortar is applied with a trowel to a clean, sound surface which must be thoroughly soaked with water beforehand.

**Mapectin** can be applied up to 2-3 mm thick in a single coat.

Finish with a flat trowel or a plastering float a few minutes after application.

#### Consumption

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

#### Packaging

24 kg bags;  
6 kg drums.



## Monofinish



### One-component normal setting cementitious mortar for smoothing concrete.

**Monofinish** is recommended for smoothing surface imperfections of concrete pours and smoothing the surface of concrete repaired with mortars from the **Mapectin** product line.

**Monofinish** mixed with clean water forms a plastic, easily trowellable mortar to be applied on substrates that are solid, compact, and free of oils, form release agents or other deleterious substances. Any old paint must be completely removed.

Before applying **Monofinish** the surface must be completely saturated with water. Pour a 22-kg bag of **Monofinish** into approx. 4 litres of clean water.

**Monofinish** can be used for thicknesses up to 2 to 3 mm per coat. **Monofinish** can be finished with a damp sponge float and then painted with **Elastocolor Paint** or other paints for outdoor use.

Application: trowel.

#### Consumption

1.4 kg/m<sup>2</sup> per mm of thickness.

#### Packaging

22 kg bags.





# Planitop 100



**Light grey, rapid setting, fine mortar for repairing and smoothing concrete and renders.**

**Planitop 100** is used for localized repairs of precast concrete elements damaged by movement and for adjusting superficial defects such as honeycombs and macro-porosity.

Furthermore, **Planitop 100** can be used for levelling renders and smoothing concrete repaired with products from the **MapegROUT** range.

By mixing **Planitop 100** with water, a mortar is obtained that is easily applied by trowel to clean sound surfaces that have previously been saturated with water, up to a maximum thickness of 5 mm. For thicknesses greater than 5 mm the addition of 30% of sand graded between 1 and 2 mm is recommended.

Application: trowel or float.

#### Consumption

- 1.3 kg/m<sup>2</sup> per mm of thickness if used neat;
- 1.0 kg/m<sup>2</sup> per mm of thickness if used with 30% of 2 mm graded sand.

#### Packaging

25 kg bags.



# Planitop 200



**Normal setting one-component cementitious mortar for smoothing old cementitious renders and textured coatings.**

**Planitop 200** is used to smooth slightly rough outdoor and indoor walls that will be covered with ceramics or paint.

**Planitop 200** is especially suitable to smooth defects in old coloured cementitious renders, lime and cement based painted renders, wooden substrates, gypsum board (after applying **Primer G**), concrete and old mosaic coverings as long as well anchored.

By mixing **Planitop 200** with 18% clean water (4.5 l for a 25 kg bag) a textured mortar is obtained that is easily applied by trowel. Thickness up to 3 mm per layer can be obtained. Once applied, the product can be finished with a moist sponge float and then decorated and protected with **Silexcolor Paint**, **Silexcolor Tonachino**, **Silancolor Paint** or **Elastocolor Paint**.

#### Consumption

1.4 kg/m<sup>2</sup> per mm of thickness.

#### Packaging

25 kg bags.



Tesco multi-function centre - Olomuc - Czech Republic  
Restoration and protection of the façades of the building using:  
MAPEGROUT THIXOTROPIC, EPORIP, PLANITOP 100,  
MAPELASTIC, ELASTOCOLOR PAINT

## Planitop 520



**Lime-cement based smooth finishing compound for interior and exterior renders, to be applied "fresh on fresh" up to 3 mm thick.**

**Planitop 520** is used as a smooth finishing of cement-lime mortar or prepacked fresh renders for interiors and exteriors on walls and ceilings, before painting or applying thin coloured coatings.

Thanks to its special composition, the finishing obtained by mixing **Planitop 520** with water has a high bonding strength and is easy to apply with a metal trowel even on coarse renders. Furthermore, it can be quickly finished with a sponge float.

**Planitop 520** can be applied up to 3 mm thick with a metal trowel using the "fresh on fresh" method and is available in white and grey.

### Consumption

1.35 kg/m<sup>2</sup> per mm of thickness.

### Packaging

25 kg bags.



## Planitop 540



**Cement-based smooth finishing compound for interior and exterior "cured" renders; can be applied up to 3 mm thick.**

**Planitop 540** is used for finishing rough renders and concrete elements in interiors and exteriors before painting.

This product is also suitable for smooth finishing of cured renders or slightly rough concrete walls, for levelling *pedralles* soffits and precast concrete elements such as panels, columns and beams.

Thanks to its special composition, the finishing obtained by mixing **Planitop 540** with water, is easily applied using a flat trowel and finished with a sponge float. Once hardened, it has a very high bonding strength.

**Planitop 540** can be applied maximum 3 mm thick per coat and is available in white and grey.

### Consumption

1.4 kg/m<sup>2</sup> per mm of thickness.

### Packaging

25 kg bags.







**Planitop 560**

**White lime-cement based finishing compound for very smooth finishing of both fresh and cured interior and exterior cementitious renders and concrete surfaces; can be applied from 0 to 3 mm thick.**

**Planitop 560** is used for smoothing fresh or cured, interior and exterior cement-lime mortar or prepacked fresh renders before painting or applying floor or ceiling coloured coatings. It can also be used for smoothing renders in rooms where wall paper or light-weight textile coverings will be applied. **Planitop 560** can also be used for smoothing cracks and chips on old concrete walls, as fine finishing of coarse grained levelling and for levelling *predalles* soffits.

Thanks to its special composition and fine texture, the finishing obtained by mixing **Planitop 560** with water has a high bonding strength and is easy to apply with a flat metal trowel.

**Planitop 560** can be applied between 0 and 3 mm thick per coat.

**Consumption**

1.1 kg/m<sup>2</sup> per mm of thickness.

**Packaging**

20 kg bags.




**Planitop 580**

**White lime and gypsum-based levelling compound for smoothing off "dry", cured internal gypsum, anhydrite or lime/cement-based renders.**

**Planitop 580** is used for smoothing off internal traditional or pre-blended "dry", cured renders, or pre-blended or lime-mortar renders, before applying paint or thin layers of mineral or synthetic finishing coats.

**Planitop 580** may also be used to obtain a smooth, finishing layer on coarse-grained render and for levelling off surfaces in gypsum, cellular cement blocks or in sandwich blocks.

The special composition and extremely fine structure, which is obtained by mixing **Planitop 580** with water, gives the finishing layer high bonding properties and makes it very easy to spread with a smooth, metallic trowel, which also helps with the finishing operations.

**Planitop 580** may be applied at a thickness of up to 3 mm for each single coat.

**Consumption**

approx. 0.80 kg/m<sup>2</sup> (per mm of thickness).

**Packaging**

20 kg sacks.



Landucci apartment block - Florence - Italy  
Restoration and protection of the façades of the block using:  
MAPEFER 1K, MAPEGROUT FAST-SET, PLANITOP 400,  
PLANITOP 560, SILANCOLOR PRIMER, SILANCOLOR PAINT

## Adesilex FIS13



### Water dispersion adhesive for thermal insulation systems.

**Adesilex FIS13** is an adhesive, based on synthetic resins in water dispersion modified with selected aggregate and special additives. Mixed with cement, it forms a compact mortar with excellent bonding strength on both normal renders and on the foam panels used for thermal insulation systems.

**Adesilex FIS13** can be used for bonding polyurethane or polystyrene foam insulation panels on walls of external façades and for levelling surfaces of insulation systems.

Mix the **Adesilex FIS13** with cement in the ratio of 1 : 0.7 to 0.8, stirring thoroughly to prevent the formation of lumps, until a thick paste is obtained. This mix will hold the polystyrene foam panels as soon as they are positioned.

### Consumption

- bonding insulation panels: 1-2 kg/m<sup>2</sup>;
- smoothing compound: 1.5 kg/m<sup>2</sup> per mm of thickness.

### Packaging

25 kg and 15 kg drums.



## Mapetherm AR1



### One-component cementitious mortar for bonding and levelling insulation boards and for external thermal insulation systems.

**Mapetherm AR1** is used for bonding and smoothing floors and ceilings, in interiors and exteriors, insulation boards (made of extruded and foam polystyrene, foam polyurethane, rock wool, cork, etc.) directly on the render, concrete and concrete blocks.

Mixed with water, **Mapetherm AR1** becomes an easily workable thixotropic mortar that can be applied on vertical surfaces without sagging and without letting large size insulating panels slip. To bond insulating panels, apply **Mapetherm AR1** directly on the back side of the panels with a notched trowel. Either cover the panel completely with the product or spot bond. To smooth insulating panels, wait at least 24 hours after their installation then apply a uniform coat of **Mapetherm AR1**. Insert the **Fibreglass Mesh** and squeeze it with a flat trowel into the fresh mixture.

### Consumption

- bonding insulation panels: 2-4 kg/m<sup>2</sup>.
- smoothing compound: 1.2 kg/m<sup>2</sup> per mm of thickness.

### Packaging

25 kg bags.



## Mapetherm Net



### Alkali-resistant fibreglass mesh for the reinforcement of the base layer of thermal insulation systems.

4.15x3.80 mm fibreglass mesh treated with a special primer that makes the mesh alkali-resistant. It enhances the bonding of the product used as a levelling compound, improving tensile strength, resistance to thermal gradients and abrasion of the thermal insulation system.

**Mapetherm Net** has been tested according to ETAG 004 method according to I.T.C. N. 3500/RP/02 report.

**Mapetherm Net** is used as a reinforcement for **Mapetherm AR1** or **Adesilex FIS13** applied as a levelling compound on extruded polystyrene insulation panels or any other insulation material used in thermal insulation systems.

Apply a 2 mm thick first coat of levelling compound on the surface with a notched trowel and rest **Mapetherm Net** over the surface. Use a flat metal float to evenly spread out the product. In order to cover **Mapetherm Net** completely, a second coat of levelling compound should be applied over the whole surface after 24 hours.

Fabric next to **Mapetherm Net** must overlap at least 10 cm around the edges.

### Packaging

rolls 50 m long and 1 m wide.







**Idrosilex Pronto**



**Cementitious mortar for waterproofing underground masonry and for structures containing also drinking water.**

Use **Idrosilex Pronto** to waterproof foundations, walls, cellars, basements, lift-rooms, swimming pools, canals and reservoirs containing also drinking water. Formulated from cement binders and special waterproofing additives, **Idrosilex Pronto** is prepared by mixing a 25 kg bag with 5.5-6.25 litres of clean water according to the type of application. **Idrosilex Pronto** can be applied by brush, trowel or spray. For application by brush or spray, apply 2-3 coats onto the perfectly cleaned and sound substrate which must be thoroughly soaked with water beforehand. When applying by trowel reduce the mixing water to 5-6 litres per bag.

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

**Packaging**  
25 kg bags (grey and white).



**Porocol**



**Cement based powdered adhesive mortar for expansive block masonry. Porocol** is a whitish powder composed of cement, graded sand, synthetic resins and special additives.

When mixed with water, **Porocol** becomes an easily workable mortar with high adhesion and thixotropy that is easy to place on both vertical and horizontal surfaces.

**Porocol** hardens to develop high strength without noticeable shrinkage, adheres perfectly to all materials normally used in construction, and is resistant to water and frost. It can therefore be used for preparation of cellular cement block walls or rendering.

Application: notched trowel.

**Consumption**  
– for flat block walls: from 5 to 7 kg/m<sup>2</sup> of surface to be bonded;  
– for rendering: 1.4 kg/m<sup>2</sup> per mm of thickness.

**Packaging**  
25 kg bags.



Hotel Milano - Prato - Italy  
Restoration of the façades and thermal insulation cladding using:  
MAPEFER, MAPEGROUT T40, ADESILEX FIS13,  
ELASTOCOLOR PAINT, SILEXCOLOR TONACHINO



## Mapelastic



### Two-component flexible cementitious mortar for waterproof protection of concrete, swimming-pools and balconies.

Use **Mapelastic** to provide a highly flexible waterproof coating to concrete structures, particularly those subjected to cracking.

**Mapelastic** seals hairline cracks already present in substrates.

**Mapelastic** is suitable for surfaces permanently in contact with drinking water, as long as after its hardening, it is repeatedly washed with water at +40°C.

**Mapelastic** is supplied in two pre-measured components which must be mixed together without adding water or other ingredients. The mortar is applied with a trowel onto perfectly clean and solid surfaces that have been previously dampened with water.

**Mapelastic** can be applied up to 2 mm thick in a single coat. When applying to surfaces particularly stressed or crazed, it is essential to embed a square-grid **Fibreglass Mesh**.

Application: trowel or rendering machine.

#### Consumption

1.7 kg/m<sup>2</sup> per mm of thickness if applied by trowel;  
2.2 kg/m<sup>2</sup> per mm of thickness if sprayed.

#### Packaging

24 kg bags;  
8 kg drums.



## Mapelastic Smart



### Two-component high-flexibility cementitious mortar, applied by brush or by roller, for waterproofing concrete surfaces such as foundations, retaining walls, balconies, terraces, basins and swimming pools, and for protection against the penetration of aggressive agents.

**Mapelastic Smart** is used to form highly flexible, waterproof and protective dressings on concrete structures, even those subject to cracking.

**Mapelastic Smart** may also be used to cover up micro-cracking in concrete or render.

**Mapelastic Smart** is supplied in the form of two pre-dosed components, which must be mixed together without adding either water or any other ingredient.

Mixing ratio: A : B = 2 : 1.

The mortar is applied by brush, roller or spray-rendering machine on surfaces which must be perfectly clean and solid, and which have been dampened with water beforehand.

With **Mapelastic Smart**, a levelling layer of up to 2 mm thick may be applied in one single coat.

If the product is to be applied on surfaces which are highly stressed or which have micro-cracking, 4 x 4.5 mm **Fibreglass Mesh** must be inserted.

#### Consumption

approximately 1.6 kg/m<sup>2</sup> per mm of thickness, if applied by brush or roller;  
approximately 2.2 kg/m<sup>2</sup> per mm of thickness, if applied by spray.

#### Packaging

20 kg bags + 10 kg cans.





## Fibreglass Mesh

**Alkali-resistant fibreglass mesh for reinforcing interior and exterior levelling compounds.**

Alkali-resistant Fibreglass Mesh with 4x4.5 mm mesh and 1 m height for insertion as reinforcing in the first layer of **Mapegum WPS, Aquaflex System, Mapelastastic, Mapelastastic Smart, Adesilex FIS13, Plastisol 1** and bituminous type products to prevent the formation of cracks caused by tensions generated in the substrate.

**Packaging**  
rolls 50 m long and 1 m wide.

THE WATERPROOFER

# Mapelastastic®

Flexible  
cementitious  
membrane





# Primers

Law Courts - Rome - Italy  
Decoration of the façades using:  
SILEXCOLOR PAINT

## Elastocolor Primer

**Solvent-based fixing primer with high penetration properties for porous substrates and curing agent for repair mortars.**

**Elastocolor Primer** is used to impregnate concrete surfaces repaired with products from the **Mapegrout** line before smoothing or painting with **Elastocolor Paint**, **Elastocolor Rasante** or **Elastocolor Rasante SF**. The product penetrates into porous substrates and ensures excellent insulation and good adherence to the paint that will be applied. **Elastocolor Primer** is also used as a curing agent for repair renders and mortars and can be directly painted over with **Elastocolor Paint**. The product does not need to be removed before painting the repaired surfaces because it does not diminish the bonding strength of the protective material to the substrate. **Elastocolor Primer** is ready-to-use. If the product is used as a fixing primer before painting on a slightly porous substrate, dilute **Elastocolor Primer** with 20-30% turpentine. If it is used as a curing agent, apply **Elastocolor Primer** pure directly on the fresh surfaces after the float finishing. The product can be applied with a brush, roller or manual or compressed air pump.

### Consumption

100-150 g/m<sup>2</sup> used as a fixing primer.  
110-150 g/m<sup>2</sup> used as a curing agent.

### Packaging

10 kg drums.





## Silexcolor Primer



### Modified potassium silicate-based primer in water solution.

**Silexcolor Primer** is a primer in water solution based on modified potassium silicate to be used before applying **Silexcolor Paint**, **Silexcolor Tonachino** or **Silexcolor Marmorino**.

**Silexcolor Primer** penetrates deeply into porous substrates without forming a film and without altering the vapour diffusion.

**Silexcolor Primer** uniforms the absorption of the substrate, ensures an excellent adhesion of the finishing coat, promoting the silication process.

After it has dried completely (at least 12 hours at +20°C), **Silexcolor Primer** can be painted over with **Silexcolor Paint**, **Silexcolor Tonachino**, or **Silexcolor Marmorino**. **Silexcolor Primer** does not contain organic substances and is formulated according to DIN 18363 standard.

**Silexcolor Primer** is ready-to-use, it must not be diluted with solvents or water and, after it has been mixed, it is applied in a single coat using conventional methods, brush, roller or spray.

### Consumption

100-150 g/m<sup>2</sup>, depending on the porosity of the substrate.

### Packaging

10 kg drums.



## Silancolor Primer



### Silicone resin based insulating primer in water dispersion.

**Silancolor Primer** is a silicone resin based primer in water dispersion with high penetration property.

**Silancolor Primer** uniforms the absorption of the substrate and acts as a bonding promoter for **Silancolor Paint**.

**Silancolor Primer** consolidates the surfaces to be treated. **Silancolor Primer** is odourless and does not contain solvents, therefore it can be applied also in closed or poorly ventilated environments.

### Consumption

100-150 g/m<sup>2</sup>, depending on the porosity of the substrate.

### Packaging

10 kg drums.



## Malech



### Micronized acrylic-based primer in water dispersion.

**Malech** is used as a primer for wall surfaces in general (e.g. concrete or repairs with cement mortars) before applying a coloured finishing coat of **Elastocolor Paint** or **Elastocolor**

**Rasante**, as a regulator of the substrate absorption and as an adhesion catalyst.

**Malech** can also be used in the **Aquaflex System** cycle for the permanent encapsulation of asbestos and as a primer for the covering layers of **Aquaflex**.

**Malech** is a micronized acrylic resin-based primer in water dispersion that penetrates better than traditional water based primers.

**Malech** is odourless and solvent-free, therefore it can be applied in closed or poorly ventilated environments. Because of **Malech's** particular formula, it ensures the consolidation of powder present on surfaces that need to be treated and slows down the formation of efflorescence.

**Malech** is ready-to-use, but it can be thinned up to 50% with water in order to avoid the vitrification of substrates that are not very absorbent. **Malech** can be applied by brush, roller or spray.

### Consumption

100-150 g/m<sup>2</sup> depending on the porosity of the substrate.

### Packaging

10 kg drums.



# Biblock



**Two-component epoxy primer and curing compound in water emulsion.** Biblock is a primer for use on absorbent surfaces before applying Triblock or Triblock T three-component mortar.

Biblock is also especially recommended as an effective curing compound for concrete in industrial floors, airport runways, canals, reservoirs, etc.

Biblock is supplied in two pre-measured components which must be mixed together thoroughly until even. This mixture must be diluted with up to 20% water.

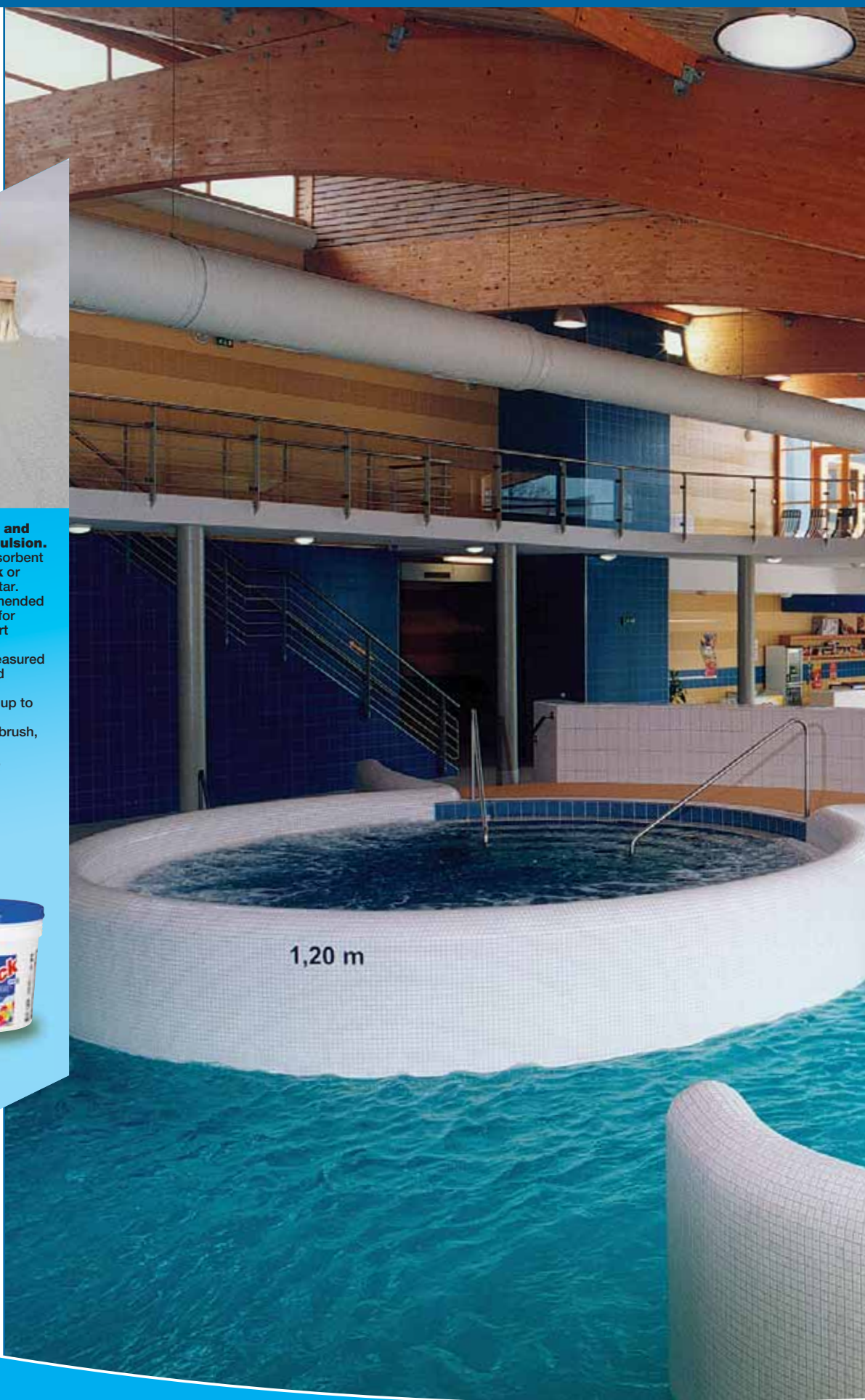
Biblock can be easily applied by brush, roller or spray onto sound, clean, horizontal and vertical substrates.

#### Consumption

- as a primer: 50-100 g/m<sup>2</sup>;
- as a curing agent: 150 g/m<sup>2</sup>.

#### Packaging

5 kg (A+B).





## Triblock



### Three-component fluid epoxy-cement mortar.

**Triblock** is a mortar for finishing and waterproofing damp substrates.

**Triblock** is supplied in 3 pre-measured components.

Part A is based on epoxy resins; part B has a base of special hardeners in water dispersion; part C is composed of special aggregate and cement. Mix part A carefully with part B, then add part C and mix until even.

**Triblock** can be trowelled in a single uniform layer 1-1.5 mm thick onto cementitious substrates previously treated with a coat of **Biblock**. Wait 2-3 hours after priming with **Biblock** before applying **Triblock**, or it can be directly applied over existing ceramic tile, terrazzo, etc. floors provided they are thoroughly clean and well fastened.

**Triblock** remains workable for 40-45 min. at +23°C with 50% R.H.; setting time is 15-24 hours, after which time materials can be subsequently overlaid.

### Consumption

1.5-2.5 kg/m<sup>2</sup>.

### Packaging

10 kg (A+B+C) units.



## Triblock T



### Thixotropic-consistency three-component epoxy-cement mortar.

**Triblock T** is used for waterproofing damp vertical and horizontal surfaces, caused by the presence of water or rising damp, before the application of epoxy resins that, because of their low vapour permeability, can cause bubbles and blistering.

**Triblock T** is supplied in 3 pre-measured components that must be mixed together with a drill until a completely lump-free, thixotropic consistency and homogeneous mixture is obtained.

**Triblock T** is applied by trowel in a single uniform layer between 1 and 1.5 mm thick, or with an airless sprayer if treating large surface areas.

### Consumption

1.5-2.5 kg/m<sup>2</sup>.

### Packaging

8 kg (A+B+C) units.



Jihlava Water-park - Czech Republic  
Waterproofing of the swimming pools using:  
BIBLOCK, TRIBLOCK, IDROSILEX PRONTO, IDROSTOP,  
MAPEBAND, MAPESIL AC, MAPELASTIC

# Elastocolor System

## Malech

### Micronized acrylic-based primer in water dispersion.

**Malech** is used as a primer for wall surfaces in general (e.g. concrete or repairs with cement mortars) before applying a coloured finishing coat of **Elastocolor Paint** or **Elastocolor Rasante**, as a regulator of the substrate absorption and as an adhesion catalyst. **Malech** can also be used in the **Aquaflex System** cycle for the permanent encapsulation of asbestos and as a primer for the covering layers of **Aquaflex**. **Malech** is a micronized acrylic resin-based primer in water dispersion that penetrates better than traditional water based primers. **Malech** is odourless and solvent-free, therefore it can be applied in closed or poorly ventilated environments. Because of **Malech**'s particular formula, it ensures the consolidation of powder present on surfaces that need to be treated and slows down the formation of efflorescence. **Malech** is ready-to-use, but it can be thinned up to 50% with water in order to avoid the vitrification of substrates that are not very absorbent. **Malech** can be applied by brush, roller or spray.

### Consumption

100-150 g/m<sup>2</sup> depending on the porosity of the substrate.

### Packaging

10 kg drums.



## Elastocolor Primer

### Solvent-based fixing primer with high penetration properties for porous substrates and curing agent for repair mortars.

**Elastocolor Primer** is used to impregnate concrete surfaces repaired with products from the **Mapegrout** line before smoothing or painting with **Elastocolor Paint**, **Elastocolor Rasante** or **Elastocolor Rasante SF**. The product penetrates into porous substrates and ensures excellent insulation and good adherence to the paint that will be applied. **Elastocolor Primer** is also used as a curing agent for repair renders and mortars and can be directly painted over with **Elastocolor Paint**. The product does not need to be removed before painting the repaired surfaces because it does not diminish the bonding strength of the protective material to the substrate. **Elastocolor Primer** is ready-to-use. If the product is used as a fixing primer before painting on a slightly porous substrate, dilute **Elastocolor Primer** with 20-30% turpentine. If it is used as a curing agent, apply **Elastocolor Primer** pure directly on the fresh surfaces after the float finishing. The product can be applied with a brush, roller or manual or compressed air pump.

### Consumption

100-150 g/m<sup>2</sup> used as a fixing primer.  
110-150 g/m<sup>2</sup> used as a curing agent.

### Packaging

10 kg drums.





## Elastocolor Paint

**Protective and decorative elastic paint based on acrylic resins in water dispersion.**

**Elastocolor Paint** is used to protect the surfaces of concrete and cement renders from aggressive agents present in the atmosphere.

Once dried, **Elastocolor Paint** forms a very elastic film, impermeable to water, but permeable to vapour, and at the same time it gives the treated structure a pleasant aesthetic appearance. Due to its elastic characteristics, **Elastocolor Paint** protects and waterproofs concrete structures and renders with hair-line cracks as it forms a bridge over them with a strong and continuous coat.

**Elastocolor Paint** is applied by brush, roller or spray in 2 or 3 coats onto perfectly clean and dry substrates which have been previously treated with **Elastocolor Primer** or **Malech** depending on the absorbency of the substrate.

**Elastocolor Paint** is available in a vast range of colours that can be obtained with the **ColorMap** colour system.

### Consumption

200-400 g/m<sup>2</sup> per coat.

### Packaging

20 kg buckets.



*Martin Luther King School - Cologno Monzese - Italy*  
 Restoration and protection of the façades of the school using:  
 MAPEFER 1K, MAPEGROUT T40,  
 MAPELASTIC, ELASTOCOLOR PAINT



## Elastocolor Rasante



**One-component fibre-reinforced elastomeric filling undercoat applicable on renders and very fine fissured textured coatings as long as they are coherent and primed.**

Elastocolor Rasante may be applied as it is with a flat trowel or diluted 5-10% with water and applied with a brush, fur roller, or cell-like sponge.

While drying Elastocolor Rasante forms a type of non-woven fabric reinforcement that follows the expansion of the surfaces.

Elastocolor Rasante can be an undercoat setting for reinforcement nets when there are many and pronounced cracks.

Elastocolor Rasante can be used as an intermediate coat after having applied Mapelastic before finishing with Elastocolor Paint.

Elastocolor Rasante can be admixed with 0.1 to 0.3 washed sand up to 30% by weight to increase the filling when the substrate is particularly uneven.

**Consumption**  
400-700 g/m<sup>2</sup>.

**Packaging**  
20 kg drums.



## Elastocolor Rasante SF



**Trowelable ready-to-use one-component fibre reinforced elastomeric undercoat with high filling properties and admixed with fine sand.**

Trowelable intermediate filling undercoat to be used as it is during the Elastocolor cycle. Elastocolor Rasante SF is especially suitable to be used to install a reinforcing mesh, such as Elastocolor Net, and improves the smoothness of the substrate and flexibility of Elastocolor Paint finishing.

Elastocolor Rasante SF is an elastomeric intermediate undercoat with high filling properties and leaves a rustic finish. It levels uneven parts of the substrate before painting with elastomeric Elastocolor Paint.

Elastocolor Rasante SF can also be used as a flexible filling finish such as a quartz based paint if applied neat or diluted 5-10% with water with a trowel, cell-like sponge roller or short-hair roller. The product is ready-to-use and is applied with a metal trowel. The product may also be applied with a brush or roller.

To obtain different textured "orange peel" effects, Elastocolor Rasante SF should be applied with a cell-like sponge roller either neat or diluted 5 to 10% with water, depending on the desired effect. If more coats are needed, wait at least 24 hours between coats.

### Consumption

– trowel: from 700 to 800 g/m<sup>2</sup> per coat;  
– roller or brush: from 300 to 500 g/m<sup>2</sup> per coat.

The consumption is purely indicative, it depends on the roughness of the surface and type of application.

**Packaging**  
20 kg drums.





## Elastocolor Net

**Alkali-resistant fibreglass mesh for the reinforcement of Elastocolor Rasante and Elastocolor Rasante SF.**  
Reinforcement for:

- **Elastocolor Rasante** and **Elastocolor Rasante SF** applied on interior and exterior micro-cracked cementitious substrates;
- **Elastocolor Rasante** and **Elastocolor Rasante SF** applied by cracks less than 1 mm wide.

Apply a 2-3 mm coat of **Elastocolor Rasante** or **Elastocolor Rasante SF** on the surface with a notched trowel and lay **Elastocolor Net** over the surface. Use a flat metal float to evenly spread out the product and to completely drown **Elastocolor Net**. After 24 hours, apply a second coat of **Elastocolor Rasante** or **Elastocolor Rasante SF**.

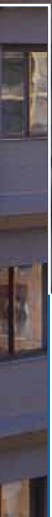
Fabric next to **Elastocolor Net** must overlap approximately 5 cm thick around the edges.

### Packaging

rolls 50 m long and 1 m wide.



*Reale Mutua Insurance building - Milan - Italy*  
Restoration and protection of the façades of the building using:  
MAPEFER, MAPEGROUT BM, MALECH, ELASTOCOLOR RASANTE



# Silexcolor System

## Silexcolor Primer



### **Modified potassium silicate-based primer in water solution.**

**Silexcolor Primer** is a primer in water solution based on modified potassium silicate to be used before applying **Silexcolor Paint**, **Silexcolor Tonachino** or **Silexcolor Marmorino**.

**Silexcolor Primer** penetrates deeply into porous substrates without forming a film and without altering the vapour diffusion.

**Silexcolor Primer** unifies the absorption of the substrate, ensures an excellent adhesion of the finishing coat, promoting the silication process.

After it has dried completely (at least 12 hours at +20°C), **Silexcolor Primer** can be painted over with **Silexcolor Paint**, **Silexcolor Tonachino**, or **Silexcolor Marmorino**. **Silexcolor Primer** does not contain organic substances and is formulated according to DIN 18363 standard.

**Silexcolor Primer** is ready-to-use, it must not be diluted with solvents or water and, after it has been mixed, it is applied in a single coat using conventional methods, brush, roller or spray.

### **Consumption**

100-150 g/m<sup>2</sup>, depending on the porosity of the substrate.

### **Packaging**

10 kg drums.





## Silexcolor Paint



**Silicate-based, vapour-permeable protective and decorative paint system for cement- or lime-based renders in interiors and exteriors.** The **Silexcolor Paint** is recommended for painting porous vertical interior or exterior surfaces where protection against atmospheric agents is required (rain, frost) along with high vapour permeability. **Silexcolor Paint** is suitable for finishing **Mape-Antique** based renders. When completely dry, **Silexcolor** creates a coating that is vapour permeable without forming a film. It is available in 34 attractive colours. The system is composed of:

- **Silexcolor Primer**, which can be applied with a brush, roller or spray on thoroughly clean and solid substrates that are free of old paint residue.
- **Silexcolor Paint**, which can be applied with a brush or roller, on surfaces treated beforehand with **Silexcolor Primer**.

**Silexcolor Paint** is available in a vast range of colours that can be obtained with the **ColorMap** colour system.

**Consumption**  
350-450 g/m<sup>2</sup> for two coats.

**Packaging**  
20 kg buckets.



## Silexcolor Tonachino



**Trowelable modified potassium silicate-based mineral coating in paste form.**

**Silexcolor Tonachino** is used to protect and decorate lime-cement renders, dehumidifying renders or as a finishing of **Mape-Antique MC**, **Mape-Antique LC** and **Mape-Antique CC**.

Once dry, **Silexcolor Tonachino** forms a single body with the substrate without altering permeability to water vapour.

**Silexcolor Tonachino** is highly effective for covering surface irregularities and at the same time it has an attractive appearance.

Apply **Silexcolor Tonachino** with a stainless steel trowel or plastic float. Take care to apply an even coat of the product, wetting the trowel or using a sponge float if needed, to smooth out the surface.

Surfaces to be treated must be thoroughly clean, sound and cured. Remove all traces of old paint.

**Silexcolor Tonachino** must always be applied after preparing the surface with **Silexcolor Primer**.

**Silexcolor Tonachino** is available in a vast range of colours that can be obtained with the **ColorMap** colour system.

**Consumption**  
2-2.5 kg/m<sup>2</sup>.

**Packaging**  
20 kg buckets.



## Silexcolor Tonachino GG



**Trowelable, protective, decorative, vapour permeable, large grain silicate-based mineral paste coating for interior and exterior applications.** Silexcolor Tonachino GG is a potassium silicate-based mineral paste render with high filling properties suitable for interior and exterior applications, giving a rough rustic effect where high covering properties are required to cover substrate unevenness.

Silexcolor Tonachino GG gives the substrate a pleasant look and excellent vapour permeability. It is suitable for decorating all cementitious or lime-based renders and Mape-Antique and Poromap dehumidifying renders.

Once dried and thanks to the silication process, Silexcolor Tonachino GG forms a single body with the substrate, covering the whole surface without the formation of a surface film and maintaining the same transpirability of the substrate.

For new unpainted surfaces, apply Silexcolor Primer (ready-to-use) then apply Silexcolor Tonachino GG after 12-24 hours. For painted surfaces, first remove the old paint or existing coating and then apply Silexcolor Primer.

Silexcolor Tonachino GG is ready-to-use and is applied with a stainless steel trowel. The desired effect is obtained by immediately working the product with a plastic trowel in order to even-off the surface or use a damp sponge. To obtain an even effect, apply two coats.

Silexcolor Tonachino GG is available in a wide range of colours that can be obtained with the ColorMap automatic colouring system.

### Consumption

from 2.5 to 3.0 kg/m<sup>2</sup> finished job. The consumption is strongly influenced by the unevenness of the substrate.

### Packaging

20 kg plastic drums.



Villa in Marsala - Italia

Protection and decoration of the façades using:  
MAPE-ANTIQUE RINZAFFO, MAPE-ANTIQUE MC,  
SILEXCOLOR PRIMER, SILEXCOLOR TONACHINO





## Silexcolor Graffiato



**Trowelable, protective, decorative, vapour permeable, medium grain, silicate-based mineral paste coating with a fine textured effect for interior and exterior applications.**

**Silexcolor Graffiato** is a potassium silicate-based mineral paste render suitable for interior and exterior applications, giving a fine textured effect where high covering properties are required to cover substrate unevenness. **Silexcolor Graffiato** gives the substrate a pleasant look and excellent transpiration. It is suitable for decorating all cementitious or lime-based renders and **Mape-Antique** and **Poromap** dehumidifying renders.

Once dried and thanks to the silication process, **Silexcolor Graffiato** forms a single body with the substrate, covering the whole surface without the formation of a surface film and maintaining the same vapour permeability of the substrate. For new unpainted surfaces, apply **Silexcolor Primer** (ready-to-use) then apply **Silexcolor Graffiato** after 12-24 hours. For painted surfaces, first remove the old paint or existing coating and then apply **Silexcolor Primer**.

**Silexcolor Graffiato** is ready-to-use and is applied with a stainless steel trowel. The desired effect is obtained by immediately working the product with a plastic trowel in order to even-off the surface and obtain the final design.

**Silexcolor Graffiato** is available in a wide range of colours that can be obtained with the **ColorMap** automatic colouring system.

### Consumption

from 2.0 to 2.5 kg/m<sup>2</sup> finished job. The consumption is strongly influenced by the unevenness of the substrate.

### Packaging

20 kg plastic drums.



## Silexcolor Marmorino



**Trowelable, highly decorative, vapour permeable, fine finished, silicate-based mineral paste coating, for interior and exterior applications.**

**Silexcolor Marmorino** is applied on interior and exterior surfaces where both high permeability to water vapour and an antique finishing, typical of marbles, are required. Being silicate based, it forms a single body with the substrate without altering permeability to water vapour and is resistant to adverse weather i.e. acid rain.

**Silexcolor Marmorino** is the ideal finishing for **Mape-Antique** based dehumidifying cycles. Apply an even first coat of **Silexcolor Marmorino** with a stainless steel trowel. After complete drying, sand with abrasive sand paper double zero, then apply one or more coats of the same or different colour with a builders trowel, cross stroking. Sand with fine abrasive sand paper and polish the surface with a stainless steel trowel. A protective granulated finishing (with **Silexcolor Tonachino**) gives an "encausto" effect.

**Silexcolor Marmorino** is applied on substrates that must be clean, cured, dry, and free of old paint, and must have been prepared beforehand with **Silexcolor Primer**.

**Silexcolor Marmorino** is available in a vast range of colours that can be obtained with the **ColorMap** colour system.

### Consumption

0.8-1.0 kg/m<sup>2</sup>.

### Packaging

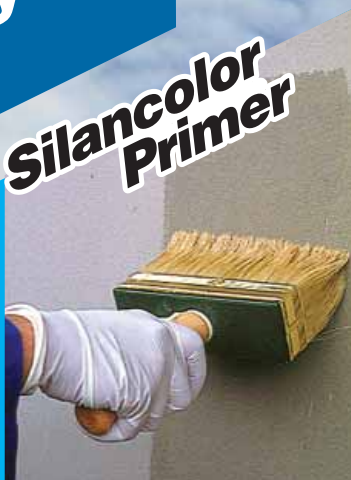
20 kg buckets.





# Silancolor System

## Silancolor Primer



### Silicone resin based insulating primer in water dispersion.

**Silancolor Primer** is a silicone resin based primer in water dispersion with high penetration property. **Silancolor Primer** unifies the absorption of the substrate and acts as a bonding promoter for **Silancolor Paint**. **Silancolor Primer** consolidates the surfaces to be treated. **Silancolor Primer** is odourless and does not contain solvents, therefore it can be applied also in closed or poorly ventilated environments.

### Consumption

100-150 g/m<sup>2</sup>, depending on the porosity of the substrate.

### Packaging

10 kg drums.



## Silancolor Paint



### Highly vapour permeable and water repellent silicone based paint in water dispersion for exteriors.

**Silancolor Paint** is a silicone resin based paint that has the advantages of traditional mineral based paints as well as synthetic paints. Thanks to **Silancolor Paint**'s special formula, it makes the substrate very permeable to water vapour and is considerably water repellent.

**Silancolor Paint** adheres perfectly onto all types of traditional renders, dehumidifiers and old well bonded paints. Its water repellent nature protects the substrate from chemical aggression, does not dirty easily, highly resists washing and is durable.

**Silancolor Paint** resists excellently to alkali, washing, U.V rays and ageing without altering its properties.

**Silancolor Paint** does not only protect the surface, but has a very pleasing smooth, opaque and velvet effect to the touch.

**Silancolor Paint** is thinned with 15-25% water paying attention to mix thoroughly, possibly using a low speed mixing drill.

**Silancolor Paint** is applied using conventional methods: brush, roller, spray or airless on dried **Silancolor Primer**. Apply two or more coats depending on the colour chosen.

**Silancolor Paint** is available in a vast range of colours that can be obtained with the **ColorMap** colour system.

### Consumption

200-300 g/m<sup>2</sup> for two coats.

### Packaging

20 kg buckets.





Marechiaro Restaurant - Gallipoli (LE) - Italy  
 Decoration of the façades using:  
 SILANCOLOR PAINT, SILEXCOLOR MARMORINO

## Silancolor Tonachino

**Trowelable, highly vapour permeable and water repellent silicone resin based paste coating in water dispersion, for exterior applications.** Silancolor Tonachino is a silicone resin based paste coating that has the advantages of both mineral coatings (high vapour permeability) as well as synthetic coatings (uniform colour tone, adhesion to existing paints that are well bonded and a wide range of colours). Furthermore it makes the substrate highly water repellent.

Silancolor Tonachino is used to coat walls where both a pleasant rustic aesthetic effect and a high water repellence is required.

Silancolor Tonachino perfectly adheres to all types of traditional and dehumidifying renders and can also be applied on existing paints as long as they are well bonded.

Thanks to Silancolor Tonachino's special formula, it ensures durable protection of the substrate.

In addition to the 34 colours from the Mapei colour chart Silancolor Tonachino is available also in a range of colours that can be obtained with the ColorMap tintometric colouring system.

Silancolor Tonachino is ready-to-use as long as it is well blended before application.

### Consumption

2-2.5 kg/m<sup>2</sup> finished job. The consumption is strongly influenced by the unevenness of the substrate.

### Packaging

20 kg drums.



## Silancolor Tonachino GG

**Trowelable, highly vapour permeable and water repellent, large grain, silicone resin-based paste coating in water dispersion for interior and exterior applications.**

Silancolor Tonachino GG is a silicone resin-based paste render with high filling properties suitable for interior and exterior applications, giving a rough rustic effect where high covering properties are required to cover substrate unevenness.

Silancolor Tonachino GG gives the substrate a pleasant look, is highly water repellent and vapour permeable. It is suitable for all cementitious or lime-based renders and Mape-Antique and Poromap dehumidifying renders, as well as for covering old paints or old coatings.

For new unpainted surfaces, apply Silancolor Primer (ready-to-use) then apply Silancolor Tonachino GG after 12-24 hours. For painted surfaces, make sure the paint is well bonded, if not, remove any incoherent parts with high pressure water jets by brushing and then apply Silancolor Primer.

Silancolor Tonachino GG is ready-to-use and is applied with a stainless steel trowel. The desired effect is obtained by immediately working the product with a plastic trowel in order to even-off the surface or use a damp sponge. To obtain an even effect, apply two coats.

Silancolor Tonachino GG is available in a wide range of colours that can be obtained with the ColorMap automatic colouring system.

### Consumption

from 2.5 to 3.0 kg/m<sup>2</sup> finished job. The consumption is strongly influenced by the unevenness of the substrate.

### Packaging

20 kg plastic drums.



## Silancolor Graffiato

**Trowelable, highly vapour permeable and water repellent, medium grain, silicone resin-based paste coating in water dispersion with a fine textured effect for interior and exterior applications.**

Silancolor Graffiato is a silicone resin-based paste render with good filling properties suitable for interior and exterior applications, giving a fine textured effect.

Silancolor Graffiato gives the substrate a pleasant look, is highly water repellent and vapour permeable. It is suitable for all cementitious or lime-based renders and Mape-Antique and Poromap dehumidifying renders, as well as for covering old paints or old coatings.

For new unpainted surfaces, apply Silancolor Primer (ready-to-use) then apply Silancolor Graffiato after 12-24 hours. For painted surfaces: make sure the paint is well bonded to the substrate, if not, remove loose or crumbly parts by high pressure water or by brushing then apply Silancolor Primer. Silancolor Graffiato is ready-to-use and is applied with a stainless steel trowel. The desired effect is obtained by immediately working the product with a plastic trowel in order to even-off the surface and obtain the final design.

Silancolor Graffiato is available in a wide range of colours that can be obtained with the ColorMap automatic colouring system.

### Consumption

from 2.0 to 2.5 kg/m<sup>2</sup> finished job. The consumption is strongly influenced by the unevenness of the substrate.

### Packaging

20 kg plastic drums.



# Quarzolite System

## Malech

### Micronized acrylic-based primer in water dispersion.

**Malech** is used as a primer for wall surfaces in general (e.g. concrete or repairs with cement mortars) before applying a coloured finishing coat of **Elastocolor Paint** or **Elastocolor Rasante**, as a regulator of the substrate absorption and as an adhesion catalyst. **Malech** can also be used in the **Aquaflex System** cycle for the permanent encapsulation of asbestos and as a primer for the covering layers of **Aquaflex**. **Malech** is a micronized acrylic resin-based primer in water dispersion that penetrates better than traditional water based primers. **Malech** is odourless and solvent-free, therefore it can be applied in closed or poorly ventilated environments. Because of **Malech**'s particular formula, it ensures the consolidation of powder present on surfaces that need to be treated and slows down the formation of efflorescence. **Malech** is ready-to-use, but it can be thinned up to 50% with water in order to avoid the vitrification of substrates that are not very absorbent. **Malech** can be applied by brush, roller or spray.

### Consumption

100-150 g/m<sup>2</sup> depending on the porosity of the substrate.

### Packaging

10 kg drums.







## Quarzolite Paint

**Acrylic resin in water dispersion and super-fine quartz-based paint used for protecting and decorating internal and external surfaces.**

**Quarzolite Paint** is a paint for internal and external walls, made up of acrylic resin in water dispersion and super-fine quartz.

**Quarzolite Paint** is resistant to all climatic conditions and the aggressive attack of smog, salt and sunlight, and provides a long-lasting protective coat for the substrate.

**Quarzolite Paint** bonds perfectly to all types of renders and to existing, well-bonded paintwork.

**Quarzolite Paint** is also suitable for internal use on gypsum or old painted surfaces if well-bonded and sound, after a treatment with **Malech**.

**Quarzolite Paint** protects the substrate and gives it a uniform, attractive appearance with a slightly rough finish.

It is available in a wide range of colours which may be obtained with the **ColorMap** automatic colour system.

### Consumption

0.3-0.4 kg/m<sup>2</sup> (corresponding to two coats of the product).

### Packaging

20 kg drums.



## Quarzolite Tonachino



**Trowelable, protective and decorative, medium grain textured and wall coating for interior and exterior applications.**

**Quarzolite Tonachino** is a continuous "rustic"-type wall coating for exterior applications made up of acrylic resins in water dispersion, selected graded charges, quartz and sun-resistant pigments.

**Quarzolite Tonachino** resists all climatic conditions, smog, salt, sun light and is water repellent and is fairly vapour permeable.

**Quarzolite Tonachino** adheres perfectly to all traditional renders and on old well bonded paint.

**Quarzolite Tonachino** is protective, it gives a pleasant rustic look to the substrate and is available in a wide range of colours that can be obtained with the **ColorMap** automatic colouring system.

**Quarzolite Tonachino** is also suitable for interior applications on gypsum or over old paint as long as well bonded and not crumbly as long as **Malech** has been applied beforehand.

### Consumption

from 2.5 to 3 kg/m<sup>2</sup>. The consumption is strongly influenced by the unevenness of the substrate.

### Packaging

20 kg plastic drums.



Town house block - Bagnocavallo (VA) - Italy  
Decoration of the façades using:  
QUARZOLITE PAINT

# Colorite System

## Malech

### **Micronized acrylic-based primer in water dispersion.**

**Malech** is used as a primer for wall surfaces in general (e.g. concrete or repairs with cement mortars) before applying a coloured finishing coat of **Elastocolor Paint** or **Elastocolor Rasante**, as a regulator of the substrate absorption and as an adhesion catalyst. **Malech** can also be used in the **Aquaflex System** cycle for the permanent encapsulation of asbestos and as a primer for the covering layers of **Aquaflex**. **Malech** is a micronized acrylic resin-based primer in water dispersion that penetrates better than traditional water based primers. **Malech** is odourless and solvent-free, therefore it can be applied in closed or poorly ventilated environments. Because of **Malech**'s particular formula, it ensures the consolidation of powder present on surfaces that need to be treated and slows down the formation of efflorescence. **Malech** is ready-to-use, but it can be thinned up to 50% with water in order to avoid the vitrification of substrates that are not very absorbent. **Malech** can be applied by brush, roller or spray.

### **Consumption**

100-150 g/m<sup>2</sup> depending on the porosity of the substrate.

### **Packaging**

10 kg drums.







**Acrylic resin-based paint in water dispersion for protecting and decorating external and internal surfaces.**

**Colorite Performance** is a paint for internal and external walls, made up of unsaponifiable, pure acrylic resin in water dispersion.

**Colorite Performance** is resistant to all climatic conditions and the aggressive attack of smog, salt and sunlight, and provides a long-lasting protective coat for the substrate.

**Colorite Performance** bonds perfectly to all types of renders and to old, well-bonded paintwork.

**Colorite Performance** is also suitable for internal use on gypsum or old painted surfaces if well-bonded and sound, after a treatment with **Malech**.

**Colorite Performance** protects the substrate and gives it a uniform, attractive appearance with a semi-lucid, silky finish. It is available in a wide range of colours which may be obtained with the **ColorMap** automatic colouring system.

**Consumption**

0.3- 0.4 kg/m<sup>2</sup> (refers to two coats of the product).

**Packaging**

20 kg plastic drums.



**Pure acrylic resin-based semi-transparent paint in water dispersion for protecting concrete, reinforced concrete and cementitious surfaces.**

**Colorite Beton** is a semi-transparent paint for external walls, made up of unsaponifiable, pure acrylic resin in water dispersion.

**Colorite Beton** is used to protect cementitious substrates against damage caused by CO<sub>2</sub> (carbonation) and SO<sub>2</sub>.

**Colorite Beton** is resistant to all climatic conditions and the aggressive attack of smog, salt and sunlight, and provides a long-lasting protective coat for the substrate.

**Colorite Beton** protects the surface, and has an attractive semi-lucid finish and evens out the colour without hiding the surface structure.

**Colorite Beton** is available in a wide range of colours. Further colours may also be created according to individual samples by using the **ColorMap** automatic colouring system.

**Consumption**

0.25- 0.3kg/m<sup>2</sup> (refers to two coats of the product).

**Packaging**

20 kg plastic drums.



The Artists' House - Budapest - Hungary  
Products used: MAPE-ANTIQUE MC, MAPE-ANTIQUE RINZAFFO,  
SILEXCOLOR PRIMER, SILEXCOLOR PAINT



# Treatment of asbestos-cement slabs





## Vinavil 03V



### Temporary encapsulation of asbestos cement panels.

Use **Vinavil 03V** for treating flat or corrugated asbestos-cement panels to provide temporary encapsulation before removal.

**Vinavil 03V** is a vinylversatate emulsion for fixing asbestos fibers to prevent their dispersion into the air thereby causing a health hazard and environmental pollution. **Vinavil 03V** has been certified as effective by the Research Institute for the study of biological effects of inhaled particles at the University of Milan - Institute of Occupational Medicine. **Vinavil 03V** is suitable to be used as a temporary encapsulation.

**Vinavil 03V** must be applied by roller, brush, low pressure hand pump or "airless" spray in such a way as to avoid the dispersion of fibers in the air. Once **Vinavil 03V** has dried, the asbestos-cement panels can be removed.

**Consumption**  
300-400 g/m<sup>2</sup>.

**Packaging**  
25-10 and 5 kg drums.



## Aquaflex System



### Permanent encapsulation of asbestos cement.

Use **Aquaflex System** cycle for the permanent encapsulation of type A (external view), B (internal view) and C (no view, before confinement) in compliance with the August 20, 1999 Italian Ministerial Decree, of asbestos cement structures exposed to atmospheric agents, therefore subject to progressive degradation, with emerging and release of asbestos fibre. The system is made up of two products of certified quality by authorised laboratories:

#### • Primer for Aquaflex:

ready-to-use synthetic resin in solvent solution based compound that can penetrate into the degraded material binding the fibres to each other and to the cement matrix. It forms the anchorage base for the next encapsulation layer.

#### • Aquaflex:

it is a one-component light grey elastomeric resin, in water dispersion based encapsulating coating. As prescribed by August 20, 1999 Ministerial Decree, the product must be applied in two contrasting coloured coats, because over time the appearance of the colour of the first coat indicates the need to carry out a new encapsulation cycle. The product is ready-to-use, but to make application easier, it can be diluted with 3% water by weight.

The **Aquaflex System** is classified as a class 1 product according to fire resistance regulations (UNI 8457-9174).

#### Consumption

- **Primer for Aquaflex:** 160 g/m<sup>2</sup> (wet) per coat;
- **Aquaflex:** 300-450 g/m<sup>2</sup> (wet) per coat.

#### Packaging

- **Primer for Aquaflex:** 5 kg ADR/RID approved packaging;
- **Aquaflex:** 25-10-5 kg drums.



# Painting / Epoxy dressing systems

## Biblock



### Two-component epoxy primer and curing compound in water emulsion.

**Biblock** is a primer for use on absorbent surfaces before applying **Triblock** or **Triblock T**, three-component mortar. **Biblock** is also especially recommended as an effective curing compound for concrete in industrial floors, airport runways, canals, reservoirs, etc. **Biblock** is supplied in two pre-measured components which must be mixed together thoroughly until even. This mixture must be diluted with up to 20% water. **Biblock** can be easily applied with a brush, roller or spray on sound and clean, horizontal and vertical substrates.

#### Consumption

- as a primer: 50-100 g/m<sup>2</sup>;
- as a curing agent: 150 g/m<sup>2</sup>.

#### Packaging

5 kg (A+B).



## Triblock



### Three-component fluid epoxy-cement mortar.

**Triblock** is a mortar for finishing and waterproofing damp substrates.

**Triblock** is supplied in 3 pre-measured components.

Part A is based on epoxy resins; part B has a base of special hardeners in water dispersion; part C is composed of special aggregate and cement. Mix part A carefully with part B, then add part C and mix until even.

**Triblock** can be trowelled in a single uniform layer 1-1.5 mm thick onto cementitious substrates previously treated with a coat of **Biblock**. Wait 2-3 hours after priming with **Biblock** before applying **Triblock**, or it can be directly applied over existing ceramic tile, terrazzo, etc. floors, provided they are thoroughly clean and well fastened.

**Triblock** remains workable for 40-45 min. at +23°C with 50% R.H.; setting time is 15-24 hours, after which time materials can be subsequently overlaid.

#### Consumption

1.5-2.5 kg/m<sup>2</sup>.

#### Packaging

10 kg (A+B+C) units.





## Triblock T



### Thixotropic-consistency three-component epoxy-cement mortar.

**Triblock T** is used for waterproofing damp vertical and horizontal surfaces, caused by the presence of water or rising damp, before the application of epoxy resins that, because of their low vapour permeability can cause bubbles and blistering.

**Triblock T** is supplied in 3 pre-measured components that must be mixed together with a drill until a completely lump-free, thixotropic consistency and homogeneous mixture is obtained.

**Triblock T** is applied with a trowel in a single uniform layer between 1 and 1.5 mm thick, or with an airless sprayer, if treating large surface areas.

**Consumption**  
1.5-2.5 kg/m<sup>2</sup>.

**Packaging**  
8 kg (A+B+C) units.



## Duresil EB



### Bituminous epoxy paint for acid-resistant protection of concrete and steel surfaces.

Use **Duresil EB** to coat structures that are below ground or to be permanently immersed in water, such as concrete and steel piles, sewers, purification plants etc.

**Duresil EB** is a two-component paint formulated from special asphalt polymers and epoxy resins. Add part B to part A and mix thoroughly.

Apply **Duresil EB** by brush or spray onto perfectly clean and sound substrates. After final hardening, **Duresil EB** forms a completely waterproof and vapourproof protective coating that is resistant to diluted acids and alkali, mineral oils, detergents, waste water, etc.

**Consumption**  
400-450 g/m<sup>2</sup> per coat.

**Packaging**  
10 kg (A+B).



Municipal stadium - Mediglia - Italy  
Waterproofing and decoration of the terraces using:  
EPORIP, MAPELASTIC, MAPEFINISH,  
ELASTOCOLOR PAINT, MAPECOAT I24

## Mapecoat W

**Epoxy paint in water dispersion for the protection of cementitious substrates.**

**Mapecoat W** is recommended for painting concrete surfaces subject to weak chemical aggression and light traffic.

**Mapecoat W** is especially recommended for surfaces with special cleaning requirements in kitchens, cafeterias, hospitals, tanks for water and slightly aggressive liquids, and floors subject to foot traffic.

**Mapecoat W** is a two-component epoxy paint to be carefully mixed before using until completely homogeneous.

**Mapecoat W** is easily applied with a brush, roller or airless spray on substrates that are thoroughly clean and sound, even if slightly damp.

**Mapecoat W** should be applied in two coats, usually without the need of a primer.

**Consumption**  
250-300 g/m<sup>2</sup>.

**Packaging**  
10 kg (A+B) and 20 kg (A+B) drums.



## Mapecoat I 24

**Epoxy paint for acid-resistant non-toxic coating of concrete surfaces.**

**Mapecoat I 24** is used to coat concrete surfaces designed for contact with food products in wine, oil, confectionery industries, etc. and for acid-resistant protection of industrial floorings.

**Mapecoat I 24** is especially recommended for coating reservoirs built to contain drinking water.

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

It's 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.

**Consumption**  
400-600 g/m<sup>2</sup> per coat, depending on the type of substrate.

**Packaging**  
5 kg (A+B).



**Two-component epoxy-acrylic paint in water dispersion for the protection of cementitious substrates.**

**Mapecoat T** is used as a lining for concrete surfaces or cement-based renders inside tunnels for the protection of vertical walls from the aggression of chemical agents.

**Mapecoat T** is solvent-free and odourless, therefore suitable for linings also in closed or poorly ventilated areas. After drying, **Mapecoat T** film gives the surfaces a semi-gloss, smooth appearance and increases the brightness of artificially lit areas.

**Mapecoat T** can be applied on slightly damp surfaces as long as they are well cured and shrinkage-free.

**Consumption**  
350-450 g/m<sup>2</sup> (reference is made to two coats of the product).

**Packaging**  
20 kg units (A+B).





## Thermal insulation cladding

### Adesilex FIS13

#### Water dispersion adhesive for thermal insulation systems.

**Adesilex FIS13** is an adhesive, based on synthetic resins in water dispersion, modified with selected aggregates and special additives. Mixed with cement, it forms a compact mortar with excellent bonding strength on both normal renders and on foam panels used for thermal insulation systems.

**Adesilex FIS13** can be used for bonding polyurethane or polystyrene foam insulation panels on walls of external façades and for levelling surfaces of thermal insulation systems.

Mix **Adesilex FIS13** with cement in the ratio of 1 : 0.7 to 0.8, stirring thoroughly to prevent the formation of lumps, until a thick paste is obtained. This mix will hold the polystyrene foam panels as soon as they are positioned.

#### Consumption

- bonding insulation panels: 1-2 kg/m<sup>2</sup>;
- smoothing compound: 1.5 kg/m<sup>2</sup> per mm of thickness.

#### Packaging

25 kg and 15 kg drums.



### Mapetherm AR1

#### One-component cementitious mortar for bonding and levelling insulation boards and for external thermal insulation systems.

**Mapetherm AR1** is used for bonding and smoothing floors and ceilings, in interiors and exteriors, insulation boards (made of extruded and foam polystyrene, foam polyurethane, rock wool, cork, etc.) directly on the render, concrete and concrete blocks.

Mixed with water, **Mapetherm AR1** becomes an easily workable thixotropic mortar that can be applied on vertical surfaces without sagging and without letting large size insulating panels slip. To bond insulating panels, apply **Mapetherm AR1** directly on the back side of the panels with a notched trowel. Either cover the panel completely with the product or spot bond. To smooth insulating panels, wait at least 24 hours after their installation then apply a uniform coat of **Mapetherm AR1**. Insert the **Fibreglass Mesh** and squeeze it with a flat trowel into the fresh mixture.

#### Consumption

- bonding insulation panels: 2-4 kg/m<sup>2</sup>.
- smoothing compound: 1.2 kg/m<sup>2</sup> per mm of thickness.

#### Packaging

25 kg bags.



## Mapetherm Ba4



### Aluminium rendering profile without drip.

Aluminium section used as a starting base for the installation of **Mapetherm XPS** (4 cm thick extruded polystyrene insulating panel) for installing thermal insulation systems.

Place **Mapetherm Ba4** making sure it is perfectly in line using a level, adding thickness where the surface is uneven. Drill a hole in the wall and fix **Mapetherm Ba4** with an expansion wallplug (ex. **Mapetherm FIX B**).

### Packaging

packs containing 25 pieces each 2.5 m long.

## Mapetherm XPS



### 4 cm thick extruded polystyrene insulation panel for thermal insulation systems.

Skin-free extruded polystyrene insulation panel with rough surfaces that help the bonding of the adhesive and levelling compound. **Mapetherm XPS** is a 1250x600x40 mm stiff panel with squared profiles without batten.

The **Mapetherm XPS** panels must be bonded to the substrate with a special water dispersion adhesive that must be mixed with cement, **Adesilex FIS13** (for further information refer to the technical data sheet) or with a pre-packed product that must be mixed with water, **Mapetherm AR1** (for further information refer to the technical data sheet). Evenly distribute the adhesive over the whole surface of the panel. Further to bonding (but not as an alternative), **Mapetherm XPS** must be mechanically fixed with polypropylene wallplugs (such as **Mapetherm FIX 9**).

### Packaging

0.27 m<sup>3</sup> packs which is equal to 6.75 m<sup>2</sup> of surface area.

## Mapetherm FIX 9



### Polypropylene fixing elements.

One-piece wallplug used to mechanically fix **Mapetherm XPS**. **Mapetherm FIX 9** is used as a mechanical support, only as an addition and not as a substitute, to the bonding of the 4 cm thick **Mapetherm XPS** insulation panel. After **Mapetherm XPS** has been bonded to the substrate, drill a hole using a drill fitted with a 9 mm bit. Insert **Mapetherm FIX 9** using a hammer.

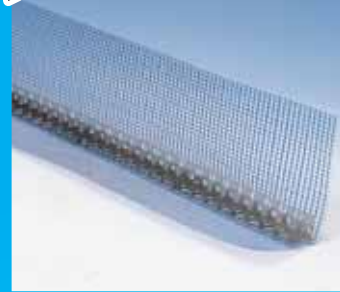
### Packaging

boxes containing 500 pieces.

Hotel Polus Palace - Göd - Hungary  
Thermal insulation cladding using:  
ADESILEX FIS13, MAPETHERM AR1



## Mapetherm Prof



**Raw or white varnished alubead with fibreglass coating for insulating systems.**

Aluminium section used for finishing and reinforcing corners of buildings when installing thermal insulation systems. After having bonded the **Mapetherm XPS** insulation panel, apply an even layer of levelling compound near the corner. Place **Mapetherm Prof** over the just applied layer of levelling compound and use a float or metal trowel to down the net and staff angle in this first layer of levelling compound. Lay **Mapetherm Net** over the surface until it overlaps with **Mapetherm Prof**. Do not fix **Mapetherm Prof** with wallplugs or nails.

**Packaging**  
boxes containing 100 pieces, each piece 2.5 m long.

## Mapetherm Net



**Alkali-resistant fibreglass mesh for the reinforcement of the base layer of thermal insulation systems.**

4.15x3.80 mm fibreglass mesh treated with a special primer that makes the mesh alkali-resistant. It enhances the bonding of the product used as a levelling compound, improving tensile strength, resistance to thermal gradients and abrasion of the thermal insulation system.

**Mapetherm Net** has been tested according to ETAG 004 method according to I.T.C. N. 3500/RP/02 report.

**Mapetherm Net** is used as a reinforcement for **Mapetherm AR1** or **Adesilex FIS13** applied as a levelling compound on extruded polystyrene insulation panels or any other insulation material used in thermal insulation systems.

Apply a 2 mm thick first coat of levelling compound on the surface with a notched trowel and rest **Mapetherm Net** over the surface. Use a flat metal float to evenly spread out the product. In order to cover **Mapetherm Net** completely, a second coat of levelling compound should be applied over the whole surface after 24 hours.

Fabric next to **Mapetherm Net** must overlap at least 10 cm around the edges.

**Packaging**  
rolls 50 m long and 1 m wide.

## Mapetherm FIX B



**Nylon fixing wallplug provided with hardboard screw in zinc and chromium-plated steel.**

Nylon wallplug provided with a flathead, cross-slotted type hardboard screw in zinc and chromium-plated steel for fixing **Mapetherm Ba4**.

Drill the substrate after positioning **Mapetherm Ba4**, insert the **Mapetherm FIX 9** nylon support by hammering it until the rim is in contact with the base profile. Screw in the steel screw until **Mapetherm Ba4** is fixed.

**Packaging**  
boxes containing 100 pieces.





# Special products and systems

## Antipluviol

### Silicone water-repellent in water solution for exterior walls.

Use **Antipluviol** for the protection of absorbent vertical and inclined surfaces including finished concrete, renders, facing bricks and natural stone from the effects of rainwater.

Treatment of the surfaces must be carried out with a single application of **Antipluviol** by brush or spray application using a low pressure hand pump when the substrates are clean and dry.

**Antipluviol** is not suitable for use on horizontal surfaces and where there is standing water or water under pressure. Application: in a single coat by brush or spray.

### Consumption

100-150 g/m<sup>2</sup> depending on the porosity of the substrate.

### Packaging

25 and 5 kg tanks.







## Antipluvio S

### Transparent siloxane resin-based water-repellent compound.

Use **Antipluvio S** for the protection of vertical or inclined surfaces (façades) made of concrete, cementitious render, bricks and natural stone, from the effects of rainwater without altering their appearance.

**Antipluvio S** is a siloxane resin-based product in solvent, characterised by its high capacity to penetrate into the substrate. The treatment with **Antipluvio S** does not create a skin and therefore does not substantially modify the permeability to water vapour of the treated material.

**Antipluvio S** is applied with a brush or spray onto perfectly clean and dry substrates.

**Antipluvio S** is not suitable for treating horizontal surfaces (terraces), or where water under pressure is present (basements, water reservoirs) or areas where there is standing water.

**N.B.** ADR/RID approved packaging.

### Consumption

100-1000 g/m<sup>2</sup> depending on the porosity of the substrate.

### Packaging

10 kg buckets.



## Mapecflex AC4

### One-component acrylic sealant in water dispersion.

Sealing fraction joints in ceramic tile, marble or natural stone facings.

Sealing expansion joints with expansion up to 10% of the initial size.

Forming flexible gaskets between building materials.

**Mapecflex AC4** can be applied on all absorbent surfaces including concrete, wood, gypsum, plaster, brick, foam concrete, natural stone, etc.

**Mapecflex AC4** seals are highly resistant under severe weather conditions, remaining flexible at temperatures as low as -30°C and as high as +80°C.

### Consumption

depending on the size of the joint.

### Packaging

310 ml cartridges, 25 kg drums.



Acaya Castle - Vernole - Italy  
Restoration and waterproofing of the walls using:  
**ANTIPLUVIO S, MAPE-ANTIQUÉ CC**



Jihlava Water-park - Czech Republic  
Waterproofing of the swimming pools using: MAPELASTIC, MAPESIL AC  
Laying of ceramic tiles with: KERABOND+ISOLASTIC, KERAPOXY

## Planicrete



**Synthetic-rubber latex for cementitious mixes.**

### Applications:

Admixture to improve mechanical and adhesive strength of cementitious mixes for screeds, renders, small-thickness renders, etc. Additive for cement based adhesive slurries for anchoring bonded screeds, filling holes or repairing damaged sections of screeds, cementitious floors, etc. Additive for spatterdash to provide anchoring for renders. Do not use pure **Planicrete** as a primer or slurry, always mix it with Portland cement, or when required, with **Mapecem**, **Mapecem Pronto**, **Topcem** or **Topcem Pronto**.

### Technical data:

**Storage:** 24 months. Protect from frost.

### Consumption

depends on dilution and thickness of mortar.

### Packaging

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



## Pulicol



**Solvent gel to remove adhesives and paint.**

### Where to use:

- Removal of old natural and synthetic resin based adhesives and paint.
- Cleaning old adhesives from marble and ceramic flooring, levelling compounds, ceramic tiles, mosaic, gypsum, metal, fibre-cement coverings.

After treatment with **Pulicol** wash the surface with water and soda then rinse.

### Consumption

0.3 kg/m<sup>2</sup>.

### Packaging

3 and 1 kg drums.



## Lampocem



**Ready-to-use shrinkage-free hydraulic binder with rapid setting and hardening.**

Use **Lampocem** for all types of rapid fixing on both vertical and horizontal concrete and masonry surfaces, for fixing corbels, pipelines, sanitary ware, hangers, and for securing timber and metal grounds.

**Lampocem** has a very rapid setting time (about 3 minutes at +20°C). Mixed with water, **Lampocem** becomes a paste with a plastic-thixotropic consistency, easy to apply, even on vertical surfaces, without running and no shuttering needed.

**Lampocem** is a pre-blended powdered binder composed of highly resistant cements and special additives. While stirring pour 1 kg **Lampocem** into a container holding 0.20-0.21 l of water, and hand mix using a trowel until a smooth, lump-free paste is obtained. The mixing-ratio by volume is 3 parts **Lampocem** to 1 part water. Quickly apply **Lampocem** with a flat trowel.

### Consumption

1.8 kg/dm<sup>3</sup> of cavity to be filled.

### Packaging

25 kg bags and boxes containing 4 bags each of 5 kg.





## Anti-graffiti treatments

### WallGard Graffiti Barrier



#### Reversible graffiti-resistant protective barrier for all surfaces.

WallGard Graffiti Barrier is recommended for protecting marble, granite or natural stone facings against graffiti drawn with spray-paint, crayons, markers, etc.

WallGard Graffiti Barrier is also recommended for protecting cement-based facings.

After WallGard Graffiti Barrier has been applied, it forms a film that covers surface pores without affecting vapour permeability, creating a repellent barrier against oils and water that prevents graffiti from penetrating deeply.

WallGard Graffiti Barrier does not alter the appearance of the surface.

WallGard Graffiti Barrier can be applied with a brush, roller or spray on surfaces that are thoroughly clean and sound, even when slightly damp.

#### Consumption

30-150 g/m<sup>2</sup>.

#### Packaging

5 and 20 kg buckets.



### WallGard Graffiti Remover Gel



#### Gel detergent for graffiti-damaged surfaces.

WallGard Graffiti Remover Gel is recommended for all surfaces not previously treated with graffiti-repellent protection against conventional spray-paints.

WallGard Graffiti Remover Gel has a gelatinous consistency and contains harmless biodegradable solvents.

After WallGard Graffiti Barrier has been applied and let stand for 5 to 10 minutes, it removes all types of graffiti simply by spraying with a high pressure cleaner. In areas where using water under pressure is not possible, WallGard Graffiti

Remover Gel can be removed easily with running water and a hard bristled brush.

WallGard Graffiti Remover Gel can be brushed on without any prior surface preparation.

#### Consumption

100-200 g/m<sup>2</sup> per coat, depending on the roughness of the surface.

#### Packaging

5 kg buckets.



War victims monument - Milan - Italy  
Anti-graffiti treatment using:  
WALLGARD GRAFFITI BARRIER,  
WALLGARD REMOVER GEL



# ColorMap® Automatic colouring system

## Modula electronic dosing machine



**Modular electronic dispensing unit,  
for automatic dosing of the colouring  
pastes.**

### Technical data

- Simultaneous dosage of colorants by means of a gear pump.
- N. 16 polypropylene tubs; 12 with a capacity of 6 litres and 4 with a capacity of 9 litres.
- Auto-positioning tub-support, with photocell sensors to detect the presence of the tub.
- Automatic bleeding of the nozzles, programmable mixing and recirculation of colorants.
- Pre-set minimum dosages: 1/384".
- Power supply: 220 Volt 50 Hz.
- Absorption: 0.8 Kw.
- Weight: 450 kg.
- Space required: height 1200 mm  
width 1396 mm  
depth 1120 mm

## RCM rotary vibro-mixer



**Simultaneous rotating/vibrating  
mixing unit.**

### Technical data

- Completely automatic mixing cycle: sealing of the tubs.
- activation of mixing movement; release of the tubs.
- Regulation of the sealing pressure.
- Electronic safety device for the protection door.
- Electronic timer.
- Removable lower sealing plate for easy loading and unloading of the tubs.
- Max tub weight: 35 kg.
- Power supply: 380 Volt 50 Hz.
- Absorption: 3 Kw.
- Weight: 160 kg.
- Space required: height 110 mm  
width 600 mm  
depth 690 mm



## Dataflash 100 spectrophotometer



**Bench-top spherical spectrophotometer with d/8° diffused geometry.**

### Technical data

- Light source: xenon impulse lamp.
- Wavelength: from 400 to 700 nm (nanometres).
- Reading time: 3 seconds.
- Other characteristics: on/off automatic specular selection; minimum reading surface for sample 50.24 mm².
- Weight: 5.4 kg.
- Space required: height 190 mm  
width: 190 mm  
length: 320 mm

## Colouring software for sales points



**Software programme to automatically create the recipe for each colour, so that Mapei products may be reproduced according to any colour sample of any substrate which has been previously scanned with a spectrophotometer.**

### Technical data

- Option of choosing between various formulas proposed.
- The colour created may be viewed on a monitor.
- Recipes may be modified and personalised.
- Unlimited database of each client's colour recipe.
- Label printing option.

# COLOURING...

## ColorMap®

### Automatic Colouring System

Developed to enhance and improve the efficiency of the colour service, the ColorMap® colouring system is made up of:

- 16-tub, modular electronic dispensing unit, for automatic dosing of the colouring pastes;
- simultaneous rotating/vibrating mixing;
- sphere-type bench-top spectrophotometer;
- software to read the colour "recipe" to create a database of individual clients and to store individual colour "recipes"



Interactive programme  
for choosing MAPEI  
coloured products



*WITH THIS SYSTEM, IT IS POSSIBLE TO OBTAIN:*

- |                        |   |
|------------------------|---|
| <b>MIXTURES:</b>       | completely error-free, for any colour imposed by urban planning requirements                                  |
| <b>REPETITIVENESS:</b> | exact reproduction of the colours, also taking into account fading which may take place over a period of time |
| <b>CHOICE:</b>         | an infinite variety of colours, with no chromatic limits  |
| <b>AVAILABILITY:</b>   | small sample lots immediately available, in any colour  |
| <b>RAPIDITY:</b>       | orders delivered quickly, no need to stockpile large quantities of the product                                |



# WITH NO LIMITS

## ColorMap®

### The Mapei Colour choice

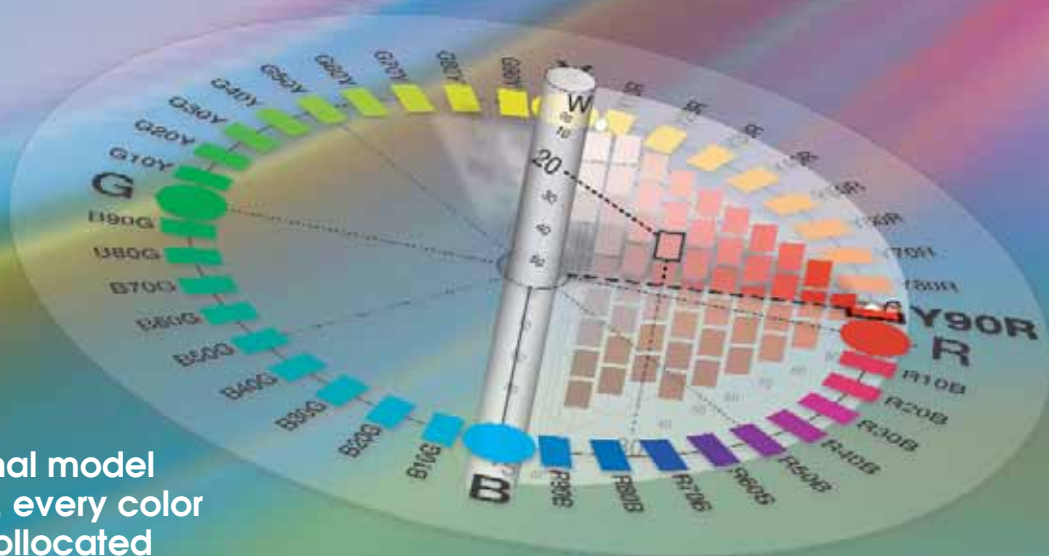
Offers

# 342

colours, with a high chromatic stability in outdoor environments and a high resistance in basic environments (silicates)

colours chosen from amongst proposals and wide experience gained in the restoration and colouring sector

colours based on the NCS classification system, the most comprehensive widely used colour chart system worldwide



In this three-dimensional model (NCS Colour Spacing), every color imaginable may be collocated and have its own precise indication

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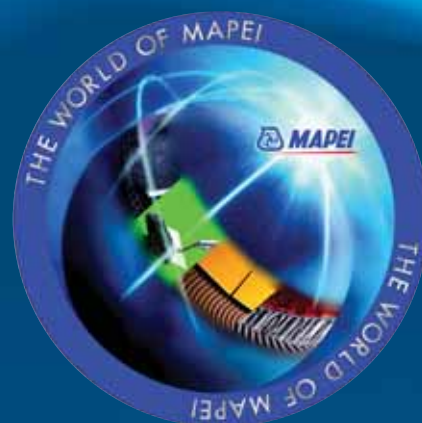
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[www.mapei.com](http://www.mapei.com)



**MAPEI:**  
from the renovation  
and consolidation  
of deteriorated masonry,  
to the finishing  
of coloured murals