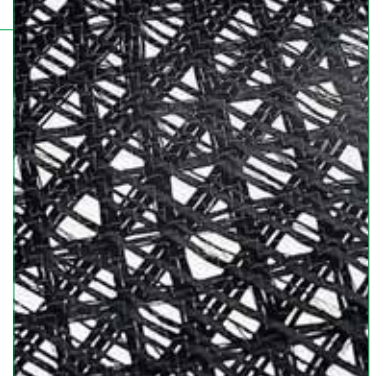




MapeWrap C QUADRI-AX



Balanced high strength quadri-directional carbon fibre fabric. MapeWrap C QUADRI-AX is a quadri-directional carbon fibre fabric characterised by a high modulus of elasticity (comparable to steel) and very high tensile strength. MapeWrap C QUADRI-AX is suitable for the repair and static upgrade of damaged reinforced concrete structures where the distribution of the isostatic lines of concrete elements tension are unknown, for confinement of axial loaded concrete elements or concrete elements subjected to compressive and bending stress and for seismic strengthening in earthquake areas. MapeWrap C QUADRI-AX can be placed using two different methods: the wet system and the dry system using a specific and complete range of epoxy resins composed of MapeWrap Primer 1 to prime the substrate, MapeWrap 11 or MapeWrap 12 for smoothing, MapeWrap 21 (wet system) and MapeWrap 31 (dry system) for the impregnation of the fabric.

Packaging
boxes containing one 50 m long roll. The fabric is available in two basic weights and each type with different widths:

- MapeWrap C QUADRI-AX 380/30: 50 m x 30 cm rolls (380 g/m²);
- MapeWrap C QUADRI-AX 380/48: 50 m x 48.5 cm rolls (380 g/m²);
- MapeWrap C QUADRI-AX 760/30: 50 m x 30 cm rolls (760 g/m²);
- MapeWrap C QUADRI-AX 760/48: 50 m x 48.5 cm rolls (760 g/m²).



Fenilone railway underpass - Verona - Italy
Structural reparation and consolidation with:
ADESILEX PG1, CARBOPLATE, MAPEWRAP 11,
MAPEWRAP 12, MAPEWRAP C UNI-AX

MapeWrap C FIOCCO



Carbon fibre cord for impregnation with MapeWrap 21 (two-component super-fluid epoxy resin).

MapeWrap C Fiocco is a complete range of cord in unidirectional carbon fibre with a high modulus of elasticity. It is used for creating anchorage points for repairs, reinforcement and static upgrading of structures in reinforced cement, masonry and tuff using **MapeWrap C** fabrics and **Carbotube**.

MapeWrap C Fiocco is set in place after it has been impregnated with

MapeWrap 21 two component, super-fluid, solvent-free epoxy resin, a product specially developed for impregnating **MapeWrap** fabrics on site.

After pulling out the cord through the hole on the top of the package, cut off at the length required with a pair of scissors. Peel back the mesh on the part of **MapeWrap C Fiocco** which does not need to be impregnated with resin and dip the remaining part in **MapeWrap 21**.

After impregnation, while wearing a pair of impermeable rubber gloves, apply a light pressure with your fingers on the part of the cord which has been dipped in order to remove the excess resin. Roll the mesh back into its original position and then sprinkle fine sand on the part of **MapeWrap C Fiocco** which has been dipped in the resin. An alternative method consists in rolling the said cord dipped in resin in a bed of sand. Either one of the above procedures may be used, and they are carried out to obtain a surface which offers a better grip. When the resin has set, remove the mesh from the part of the cord which is not impregnated with resin so that it is easier to open out the carbon fibres.

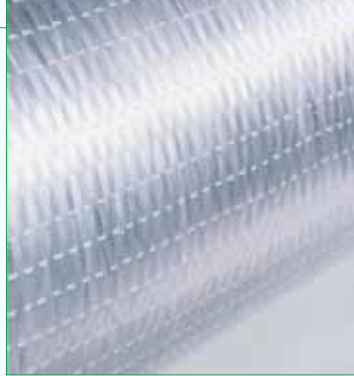
Packaging

boxes containing one 10 m long roll.

MapeWrap C Fiocco is available in various diameters (6, 8, 10 and 12 mm):

- **MapeWrap C Fiocco/6:**
10 m x Ø 6 mm rolls
- **MapeWrap C Fiocco/8:**
10 m x Ø 8 mm rolls
- **MapeWrap C Fiocco/10:**
10 m x Ø 10 mm rolls
- **MapeWrap C Fiocco/12:**
10 m x Ø 12 mm rolls

MapeWrap G UNI-AX



Uni-directional fibre glass fabric.

MapeWrap G UNI-AX is a uni-directional fibre glass fabric suitable for repairing concrete and masonry elements damaged by physical mechanical action, for the confinement of axial loaded concrete elements or concrete elements subjected to compressive and bending stress and for seismic strengthening in earthquake-risk areas.

MapeWrap G UNI-AX can be placed using two different methods: the wet system and the dry system using a specific and complete range of epoxy resins made up of **MapeWrap Primer 1** to prime the substrate, **MapeWrap 11** or **MapeWrap 12** for smoothing,

MapeWrap 21 (wet system) and **MapeWrap 31** (dry system) for the impregnation of the fabric.

Packaging

boxes containing one 50 m long roll. The fabric is available in 2 basic weights and with different widths:

- **MapeWrap G UNI-AX 300/30**
(300 g/m² - 50 m x 30 cm rolls);
- **MapeWrap G UNI-AX 300/60**
(300 g/m² - 50 m x 60 cm rolls).
- **MapeWrap G UNI-AX 900/30**
(900 g/m² - 50 m x 30 cm rolls);
- **MapeWrap G UNI-AX 900/60**
(900 g/m² - 50 m x 60 cm rolls).





MapeWrap G QUADRI-AX



Balanced quadri-directional fibre glass fabric.

MapeWrap G QUADRI-AX is a quadri-directional fibre glass fabric suitable for repairing masonry and reinforced concrete elements damaged by physical mechanical action, for the confinement of axial loaded concrete elements or concrete elements subjected to compressive and bending stress and for seismic strengthening of vaulted structures without increasing the seismic mass (without the risk of percolation of liquid towards the intrados surface) in earthquake-risk areas.

MapeWrap G QUADRI-AX can be placed using two different methods: the wet system and the dry system using a specific and complete range of epoxy resins made up of **MapeWrap Primer 1** to prime the substrate, **MapeWrap 11** or **MapeWrap 12** for smoothing, **MapeWrap 21** (wet system) and **MapeWrap 31** (dry system) for the impregnation of the fabric.

Packaging

boxes containing one 50 m long roll. The fabric is available in a single basic weight and with different widths:

- **MapeWrap G QUADRI-AX 1140/30** (1140 g/m² - 50 m x 30 cm rolls);
- **MapeWrap G QUADRI-AX 1140/48** (1140 g/m² - 50 m x 48.5 cm rolls).



MapeWrap G FIOCCO



Fibreglass cord for impregnation with MapeWrap 21 (two component, super-fluid epoxy resin).

MapeWrap G Fiocco is a complete range of cord in unidirectional fibreglass. It is used for creating anchorage points for repairs, reinforcement and static upgrading of structures in reinforced cement, masonry and tuff using **MapeWrap G** fabrics and **Carboplate**.

MapeWrap G Fiocco is set in place after it has been impregnated with **MapeWrap 21** two component, super-fluid, solvent-free epoxy resin, a product specially developed for impregnating **MapeWrap** fabrics on site.

After pulling out the **MapeWrap G Fiocco** through the hole on the top of the package, cut off at the length required with a pair of scissors. Peel back the mesh on the part of **MapeWrap G Fiocco** which does not need to be impregnated with resin and dip the remaining part in **MapeWrap 21**. After impregnation, while wearing a pair of impermeable rubber gloves, apply a light pressure with your fingers on the part of the cord which has been dipped in order to remove the excess resin. Roll the mesh back into its original position and then sprinkle fine sand on the part of **MapeWrap G Fiocco** which has been dipped in the resin. An alternative method consists in rolling the said cord dipped in resin in a bed of sand. Either one of the above procedures may be used, and they are carried out to obtain a surface which offers a better grip. When the resin has set, remove the mesh from the part of the cord which is not impregnated with resin so that it is easier to spread out the glass fibres.

Packaging

boxes containing one 10 m long roll. **MapeWrap G Fiocco** is available in various diameters (6, 8, 10 and 12 mm):

- **MapeWrap G Fiocco/6:**
10 m x Ø 6 mm rolls;
- **MapeWrap G Fiocco/8:**
10 m x Ø 8 mm rolls;
- **MapeWrap G Fiocco/10:**
10 m x Ø 10 mm rolls;
- **MapeWrap G Fiocco/12:**
10 m x Ø 12 mm rolls.

Marazzi Ceramics tower - Sassuolo - Italy
Structural repair, protection and consolidation with:
MAPEFER, MAPEGROUT BM, MAPEGROUT FMR,
ADESILEX PG1, CARBOPATE, MAPEWRAP PRIMER 1, MAPEWRAP 11,
MAPEWRAP 31, MAPEWRAP C UNI-AX, MAPEWRAP C QUADRI-AX,
PLANITOP 200, ELASTOCOLOR PRIMER, ELASTOCOLOR PAINT

New

MapeWrap S FIOCCO



High-strength, steel fibre cord for structural strengthening.

MapeWrap S FIOCCO is a special "cord" made using steel filaments, characterised by its extremely high mechanical strength. The product is suitable for repairing reinforced concrete elements damaged by physical-mechanical stresses, for shear and flexural strengthening of concrete elements and masonry and for seismic upgrading of structures at risk, and is used in conjunction with MapeWrap fabrics from the MAPEI FRP SYSTEM range of products. **MapeWrap S FIOCCO** is placed in position using **Mapewrap 11**, **Mapewrap 12** or **Mapewrap 31**. After extracting **MapeWrap S FIOCCO** through the hole in the top of the package, trim to the exact length required with a clean cut using a grinder. Peel back the mesh towards the part of the **MapeWrap S FIOCCO** which is not to be impregnated with resin, and apply **Mapewrap 11**, **Mapewrap 12** or **Mapewrap 31** on the rest of the cord after placing it in contact with the structural element to be strengthened.

Packaging

Boxes containing a 10 m-long roll. **MapeWrap S FIOCCO** is available in two different diameters (10 and 12 mm):

- **MapeWrap S FIOCCO/10 mm:**
10 m-long by Ø10 mm rolls;
- **MapeWrap S FIOCCO/12 mm:**
10 m-long by Ø12 mm rolls.

MapeWrap Primer 1



Epoxy primer specific for the MapeWrap system.

MapeWrap Primer 1 is a two-component super-fluid solvent-free product based on epoxy resins, specific for the preparation of concrete surfaces that need to be repaired or reinforced by bonding with **MapeWrap** fabric and **Carboplate** carbon plates. Pour part B into part A and mix with a drill fitted with a stirrer until completely even. Mixing ratio: 3 parts by weight of Part A and 1 part by weight of Part B. **MapeWrap Primer 1** should be applied by a brush or roller onto a perfectly clean, dry and mechanically strong concrete surface.

Consumption

250-300 g/m².

Packaging

2 kg (A+B).



Ex slaughterhouse - Latina - Italy
Structural repair and consolidation with:
MAPEFER, MAPEGROUT THIXOTROPIC, ADESILEX PG2, CARBOPATE, MAPEGROUT T40, MAPEGROUT FAST-SET, MAPEWRAP PRIMER 1, MAPEWRAP 11, MAPEWRAP 12, MAPEWRAP 31, MAPEWRAP C UNI-AX, MAPEWRAP C BI-AX, MAPEWRAP C QUADRI-AX

MapeWrap 11



Normal setting thixotropic epoxy putty for levelling concrete surfaces.

MapeWrap 11 is a two-component product based on epoxy resins, selected fine aggregate and special additives. **MapeWrap 11** is used to level concrete surfaces or reinforced concrete structures that need to be repaired or reinforced by bonding with **MapeWrap** fabric. Pour part B into part A and mix with a drill fitted with a stirrer until completely smooth. Mixing ratio: 3 parts by weight of part A and 1 part by weight of part B. After preparation, the product remains workable for approximately 40 minutes at +23°C. **MapeWrap 11** may be applied onto concrete, stone or metal with a flat or notched trowel, after first priming the substrate with **MapeWrap Primer 1**.

Consumption
1.5-1.6 kg/m² per mm of thickness.

Packaging
2 kg (A+B);
6 kg (A+B).



MapeWrap 12



Slow setting thixotropic epoxy putty for levelling concrete surfaces.

MapeWrap 12 is a two-component product based on epoxy resins, selected fine aggregate and special additives. **MapeWrap 12** is used to level concrete surfaces or reinforced concrete structures that need to be repaired or reinforced by bonding with **MapeWrap** fabric. Thanks to the extended workability time, 60 minutes at +23°C, the use of **MapeWrap 12** is recommended during the summer season or when large surface areas need to be levelled. Pour part B into part A and mix with a drill fitted with a stirrer until completely smooth. Mixing ratio: 3 parts by weight of part A and 1 part by weight of part B. **MapeWrap 12** may be applied over concrete, stone or metal with a flat or notched trowel, after first priming the substrate with **MapeWrap Primer 1**.

Consumption
1.5-1.6 kg/m² per mm of thickness.

Packaging
2 kg (A+B);
6 kg (A+B).



MapeWrap 21



Superfluid epoxy resin for impregnation with MapeWrap "wet system".

MapeWrap 21 is a two-component superfluid solvent-free product based on epoxy resins, especially formulated for the impregnation, immediately before placing **MapeWrap** fabric. Pour part B into part A and mix with a drill fitted with a stirrer until the resin is completely even. Mixing ratio: 4 parts by weight of part A and 1 part by weight of part B. After mixing, the product remains workable for approximately 40 minutes at +23°C. The impregnation of the **MapeWrap** fabric can be carried out manually by simply dipping the fabric into a basin or with suitable equipment when a lot of reinforcement is needed in the same structure and over large surface areas. The impregnated fabric must be applied over the still fresh **MapeWrap 11** or **MapeWrap 12** making sure it is laid without wrinkles.

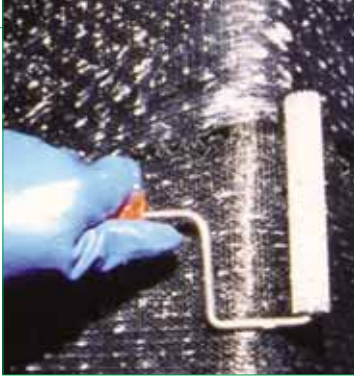
Consumption
from 0.12 to 1.7 kg/m depending on the type of impregnated fabric.

Packaging
5 kg (A+B);
2.5 kg (A+B).





MapeWrap 31



Medium viscosity epoxy resin for impregnation with MapeWrap "dry system".

MapeWrap 31 is a two-component solvent-free paste product based on epoxy resins, especially formulated for the impregnation, during application, using the dry system of **MapeWrap** fabric.

Pour part B into part A and mix with a drill fitted with a stirrer until the resin is completely even.

Mixing ratio: 4 parts by weight of part A and 1 part by weight of part B. After mixing, the product remains workable for approximately 40 minutes at +23°C.

MapeWrap 31 must be applied directly onto the still fresh **MapeWrap 11** or **MapeWrap 12** with a brush or short-haired roller.

The fabric must then be placed over the concrete element that needs to be repaired or reinforced, without leaving any wrinkles.

Consumption

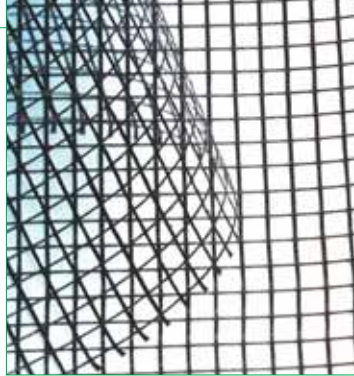
from 0.1 to 1.8 kg/m depending on the type of impregnated fabric.

Packaging

5 kg (A+B);
2.5 kg (A+B).



Mapegrid G 120



Pre-primed, alkali-resistant (A.R.) glass fibre mesh, for localised reinforced "strengthening" of masonry substrates.

Mapegrid G 120 is a special, alkali-resistant mesh made from primed glass fibres, used in conjunction with

Planitop HDM if the thickness to be rebuilt is up to 6 mm, or with **Planitop HDM Maxi** if the thickness is between 7 and 25 mm due to irregularities in the substrate.

When carrying out strengthening on reinforced concrete structures (for example on frameworks), where the secondary elements (diagonals, bricks, etc.) must be perfectly integral with the main load-bearing elements (e.g. beams and pillars), **Mapegrid G 120** guarantees a good clamping effect, as indicated in the most recent norms and standards regarding seismic applications.

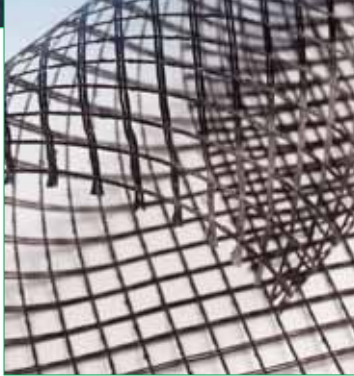
Packaging

boxes containing a 45 cm-wide by 25 m-long roll.



Church of St. Lucia Bell-tower - Serra S. Quirino - Ancona - Italy
Consolidation and of the concrete structure using:
MAPEWRAP PRIMER 1, MAPEWRAP 11, MAPEWRAP 31,
MAPEWRAP C UNI-AX, MAPEWRAP C QUADRI-AX, ADESILEX PG1,
EPOJET, MAPE-ANTIQUÉ MC and ANTIPLUVIOL S

Mapegrid G 220



Primed alkali-resistant fibreglass mesh for structural reinforcement of stone, brick and tuff substrates.

Mapegrid G 220 is a special primed alkali-resistant mesh made up of fibreglass used in conjunction with **Planitop HDM**, its thickness is not higher than 6 mm, or with **Planitop HDM Maxi** when, because of differences and unevenness in the substrate, the thickness is between 7 and 25 mm. Thanks to its special 25 x 25 mm woven mesh, **Mapegrid G 220** confers high ductility to the reinforced brickwork and distributes the stresses more uniformly.

Packaging

supplied in boxes, each one containing one roll:
45.70 m x 90 cm.

Planitop HDM



Two-component, high-ductility mortar with a pozzolanic reaction used for reinforcing masonry structures in conjunction with Mapegrid G 120 or Mapegrid G 220 at a thickness of 6 mm and for smoothing and levelling surfaces in concrete, stone and tuff.

Planitop HDM is used in conjunction with **Mapegrid G 120** or **Mapegrid G 220** (a special mesh made from primed fibreglass) to reinforce masonry structures and to even out surfaces in concrete, stone, brick and tuff. Thanks to its high content of synthetic resin, **Planitop HDM** has high bonding strength and, once hardened, forms a tough, compact, layer which is impermeable to water and harmful gases present in the atmosphere and is resistant to freeze-thaw cycles. **Planitop HDM** is supplied in the form of two pre-dosed components, which must be mixed together without adding either water or any other ingredient. The mortar obtained is applied in a single coat at a thickness of up to 6 mm using a trowel, on surfaces which must be clean, solid and saturated beforehand with water or in case of very absorbent surfaces, primed with **Primer G**. The surface is then smoothed over using a flat trowel or sponge float a few minutes after being applied.

Planitop HDM meets the minimum requirements of EN 1504-3 for R2-class non structural mortars and the requirements of EN 1504-2, in compliance with MC principle, for concrete protection.

Consumption

1.8 kg/m² per mm of thickness.

Packaging

24 kg bags + 6.5 kg tanks.



Planitop HDM Maxi



Two-component, high-ductility cementitious mortar with a pozzolanic-reaction binder base, applied at a maximum thickness of 25 mm, for levelling off stone, brick and tuff substrates before laying Mapegrid G 120 or Mapegrid G 220.

Planitop HDM Maxi may be used on its own as a filler mortar or to repair brickwork, stone and tuff ceilings; further advantages are gained if used in conjunction with **Mapegrid G 120** or **Mapegrid G 220**, a special, alkali-resistant, primed glass fibre mesh for structural reinforcement applications.

Thanks to its high content of synthetic resin, **Planitop HDM Maxi** has high bonding strength and, what is more, once hardened, forms a tough, compact, layer which is impermeable to water and harmful gases present in the atmosphere and is resistant to freeze-thaw cycles.

Planitop HDM Maxi is supplied in kits of two pre-dosed components, which must be mixed together without adding either water or any other ingredient. Once mixed, apply the mortar by trowel on the surface to be repaired and levelled off; the surface must be perfectly clean, solid and saturated beforehand with water or in case of very absorbent surfaces, primed with **Primer G**.

Maximum applicable thickness per layer: 25 mm.

Apply the product using a flat trowel, then smooth over using a sponge float before it starts setting.

Planitop HDM Maxi meets the minimum requirements of EN 1504-3 for R2-class non structural mortars.

Consumption

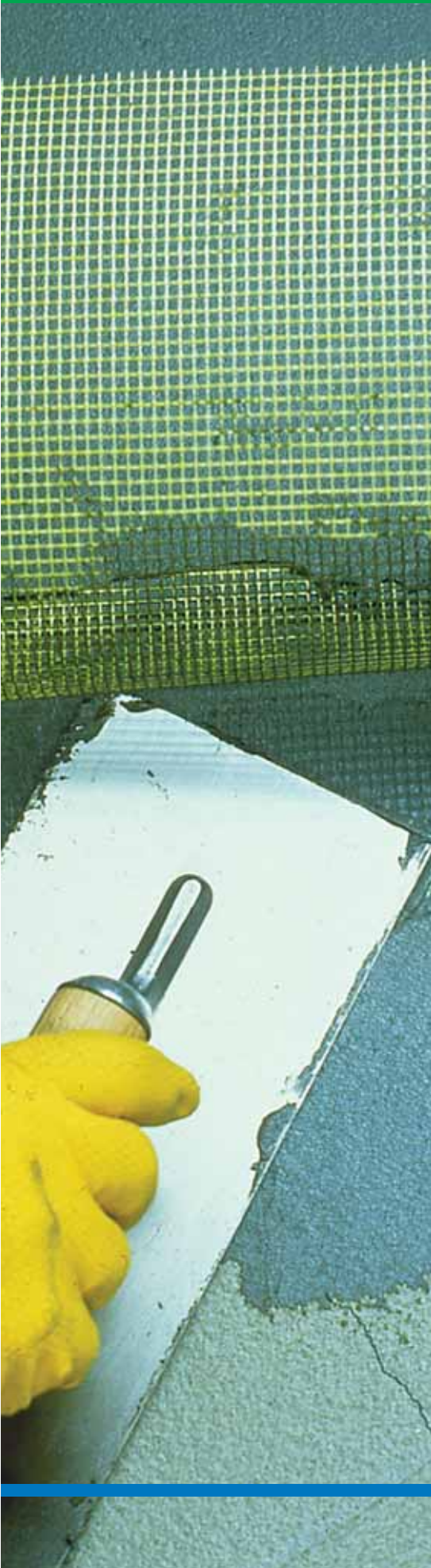
1.85 kg/m² per mm of thickness.

Packaging

25 kg bags + 6.75 kg tanks.



Waterproofing



Mapelastic



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

Use **Mapelastic** to provide a highly flexible, protective and waterproof coating to concrete structures particularly subject to cracking.

Mapelastic seals hairline cracks already present in substrates.

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 sound 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 4 x 4.5 mm square-grid **Fibreglass Mesh**.

To further improve both elongation at failure and crack bridging of **Mapelastic**, we recommend inserting **Mapetex Sel**, macro-holed non-woven polypropylene fabric.

Application: trowel or rendering machine. **Mapelastic** meets the requirements of EN 1504-2 standards, in compliance with PI, MC and IR and principle, for concrete protection.

Consumption

- 1.7 kg/m² per mm of thickness if applied with a trowel;
- 2.2 kg/m² 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.

To further improve both elongation at failure and crack bridging of **Mapelastic Smart**, we recommend inserting **Mapetex Sel**, macro-holed non-woven polypropylene fabric.

Mapelastic Smart meets the requirements of EN 1504-2 standards, in compliance with PI, MC and IR principle, for concrete protection.

Consumption

- approximately 1.6 kg/m² per mm of thickness, if applied by brush or roller;
- approximately 2.2 kg/m² per mm of thickness, if applied by spray.

Packaging

20 kg bags + 10 kg cans.





Mapelastic Foundation



Two-component, flexible cementitious mortar for waterproofing concrete surfaces subject to negative and positive hydraulic pressure.

Waterproofing concrete and masonry structures subject to negative or positive hydrostatic pressure. Suitable for foundation walls, car-parks, environments below ground level, water channels and swimming pools. **Mapelastic Foundation** is a two-component, cementitious binder-based mortar with fine-grained selected aggregates, special additives and synthetic polymers in water dispersion. When the two components are mixed together, a blend with a plastic consistency is obtained which is easy to apply with a brush or a roller on both horizontal and vertical surfaces at a thickness of at least 2 cm. The properties of this product keep structures below ground level which are protected and waterproofed with **Mapelastic Foundation** perfectly dry. **Mapelastic Foundation** meets the requirements of EN 1504-2 standards, in compliance with PI, MC and IR principle, for concrete protection.

Consumption
1.65 kg/m² per mm of thickness.

Packaging
22 kg bags + 10 kg cans.



Monolastic



One component, flexible cementitious mortar for waterproofing balconies, terraces and bathrooms.

Monolastic is used for waterproofing balconies, terraces, bathrooms and showers before installing ceramic tiles or mosaics.

Monolastic is a one component, cementitious waterproofing mortar with cementitious binders, selected, fine-grained aggregates and special, flexible acrylic polymers.

Once mixed with water, **Monolastic** forms a paste with excellent workability characteristics, and which is easy to apply with a trowel, roller or brush. **Monolastic** also bonds extremely well to all surfaces in concrete, masonry, ceramic and marble, if they are solid and clean.

Consumption
approximately 1.1 kg/m² per mm of thickness.

Packaging
20 kg bags.



THE WATERPROOFER

Mapelastic

Flexible cementitious membrane



Monolastic Ultra



One component, highly-flexible cementitious mortar for waterproofing concrete, balconies, terraces, bathrooms and swimming pools.

Monolastic Ultra is used for waterproofing balconies, terraces, swimming pools, bathrooms and showers before installing ceramic tiles or mosaics.

Monolastic Ultra is a one component, cementitious waterproofing mortar with cementitious binders, selected, fine-grained aggregates and special, highly-flexible acrylic polymers.

Once mixed with water, **Monolastic Ultra** forms a paste with excellent workability characteristics which is easy to apply with a trowel, roller or brush, and which may also be applied on vertical surfaces without running and without waste.

Monolastic Ultra also bonds extremely well to all surfaces in concrete, masonry, ceramic and marble, if they are solid and clean.

Consumption

approximately 1.1 kg/m² per mm of thickness.

Packaging

20 kg bags.



Elastocolor Waterproof



Flexible, acrylic resin-based paint in water dispersion for protecting structures waterproofed with Mapelastic or Mapelastic Smart and in direct, permanent contact with water.

Elastocolor Waterproof is used for internal painting treatments for swimming pools and all surfaces treated with **Mapelastic** or **Mapelastic Smart**, where the waterproofing layer requires covering with a compatible, flexible and durable protective finish, suitable for direct, permanent contact with water.

Elastocolor Waterproof is a paint for external use, composed of an acrylic resin in water dispersion. It is flexible, protective and is perfectly compatible as a coloured finishing layer with **Mapelastic** or **Mapelastic Smart**.

Elastocolor Waterproof may be used as the final finishing layer wherever paint which is highly resistant to water is applied, after waterproofing operations using a cementitious-based product.

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

Elastocolor Waterproof protects the substrate, and gives it an attractive, smooth and uniform appearance. It is available in a wide range of colours according to the colour chart. Further colours may also be created according to individual samples by using the **ColorMap** automatic colouring system.

Consumption

0.5-0.7 kg/m² (for one base coat and two finishing coats).

Packaging

20 kg drums.



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**, **Mapelastic**, **Mapelastic Smart**, **Adesilex FIS13**, **Plastisol 1** and bituminous type products to prevent the formation of cracks caused by tensions generated in the substrate.

Packaging

rolls of 50x1 m.



La Isla Bonita swimming-pool - Pontecagnano (SA) - Italy
Waterproofing the swimming-pools with MAPELASTIC and MAPEBAND,
protection and decoration with ELASTOCOLOR WATERPROOF

Mapetex Sel



Non-woven, macro-holed polypropylene fabric for reinforcing waterproofing membranes.

Mapetex Sel is a non-woven, macro-holed fabric, made from synthetic polypropylene fibres, which is permeable to water. It is used in conjunction with **Mapelastic** or **Mapelastic Smart** for flexible cementitious mortars, to apply waterproofing layers on balconies, terraces, swimming pools, basins, etc.

Mapetex Sel may also be used together with **Mapegum WPS**, fast drying, liquid elastic membrane for interior waterproofing. Thanks to the high mechanical properties of the product, the characteristics of **Mapelastic**, **Mapelastic Smart** and **Mapegum WPS**, such as toughness, punch-resistance, ultimate elongation and crack-bridging, are further improved.

Packaging
25 m x 1 m-wide rolls.

Mapecoat BS 1



Two-component, flexible, abrasion-resistant, epoxy-polyurethane resin-based dressing material for protecting and waterproofing concrete structures.

Mapecoat BS 1 is a flexible dressing material which is waterproof and resistant to abrasion, applied on any concrete surface to impede the penetration of aggressive elements such as chlorides, oil and hydrocarbons.

It is particularly recommended to form protective dressings around the kerbs of bridges, to avoid the penetration of de-icing salts and to increase strength during freeze/thaw cycles. It may also be used to form waterproof dressings on flat surfaces subject to traffic, pavements on bridges and pedestrian overpasses in concrete, entrance ramps, multi-storey car parks and floors in car parks subject to high mechanical stresses. Thanks to its flexibility, **Mapecoat BS 1** is able to seal cracks of up to 4mm at temperatures as low as -20°C. Once it has set, it bonds perfectly to concrete previously treated with **Primer MF** or **Primer SN**. It also has good resistance against impact and chemical agents.

Consumption

Primer MF
approx. 0.3-0.4 kg/m².

Mapecoat BS 1
approx. 2.2 kg/m² in two coats (2 mm thick).

Quartz 0,5
approx. 6.5 kg/m² for sprinkling purposes and for preparing mixes with **Mapecoat BS 1**.

Packaging
10 kg (A+B).



Idrosilex



Waterproofer for cementitious mortars in powder and liquid form.

Use **Idrosilex** to obtain waterproof renders and substrates.

Idrosilex is especially recommended for waterproofing basements, swimming pools, reservoirs, tunnels etc.

Idrosilex is a product based on waterproofing additives available both in liquid and powder form.

To use **Idrosilex Powder**, add it to the batch of dry cement and sand and mix with water until a completely uniform mixture is obtained.

To use **Idrosilex Liquid**, dilute it in the mixing water. The mixture obtained with **Idrosilex** is applied like any normal rendering mortar.

Consumption

- **Idrosilex Liquid:** 3-5 kg per 100 kg of cement;
- **Idrosilex Powder:** 2-4 kg per 100 kg of cement.

Packaging

- **Idrosilex Liquid:** 25 kg and 6 kg drums;
- **Idrosilex Powder:** 25 x 1-kg boxes.



Idrosilex Pronto



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

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 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.

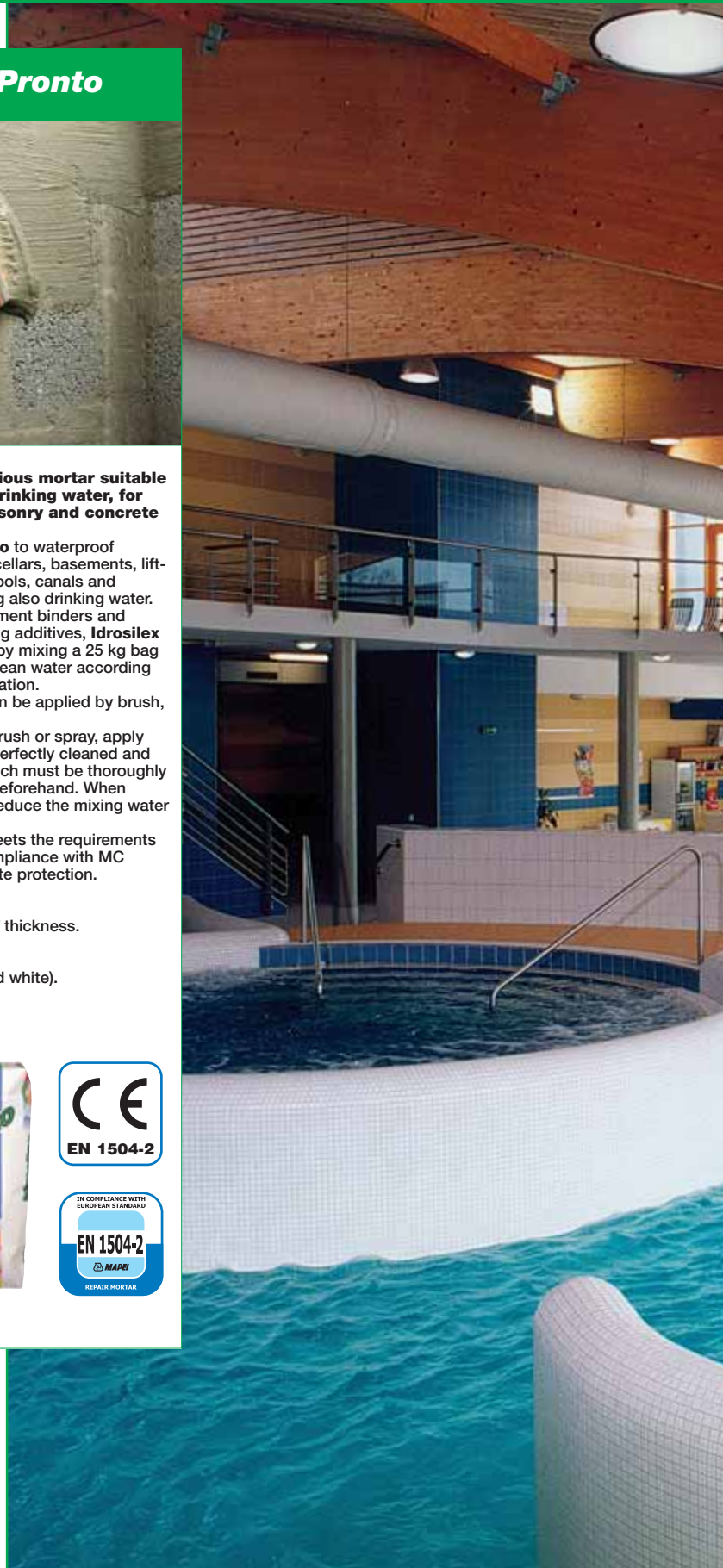
Idrosilex Pronto meets the requirements of EN 1504-2, in compliance with MC principle, for concrete protection.

Consumption

1.6 kg/m² per mm of thickness.

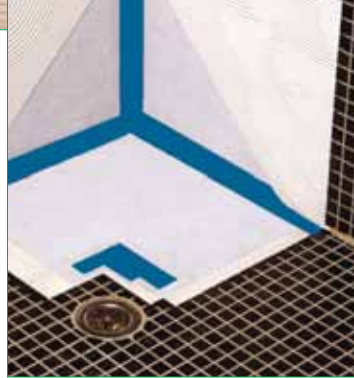
Packaging

25 kg bags (grey and white).





Mapegum WPS



Fast drying, liquid elastic membrane for interior waterproofing.

Mapegum WPS is used for waterproofing walls and floors of bathrooms and shower stalls, kitchens and work surfaces, before installing ceramic tiles or natural stone.

Mapegum WPS is a grey-coloured one-component paste with a synthetic resin base in water dispersion, totally solvent free, with a thixotropic viscosity that allows easy application on horizontal, inclined and vertical surfaces. After rapid evaporation of the water content, it forms a non-sticky elastic membrane, with excellent resistance to water, tenacity, suitable for light foot traffic, that provides a highly adhesive surface for adhesives used for ceramic tiles, marble and natural stone.

Mapegum WPS can be applied by trowel, roller, brush or spray (if necessary dilute with maximum 5% water) on substrates that are sound, clean, dry, free from oils, grease, old paint or other substances that may interfere with bonding.

Mapegum WPS must be applied evenly in thin layers (about 1 mm maximum per coat). Wait for the first coat to dry before applying successive crossing coats (from about 1-2 hours depending on the environmental conditions).

Application: smooth trowel, roller or spray in two crossing coats (1 mm each).

Consumption

1.5 kg/m² per mm of thickness.

Packaging

25, 10 and 5 kg drums.



**Mapegum EPX
Mapegum EPX-T**



Two-component epoxy resin for flexible chemical-resistant waterproofing before installing ceramic tiles.

Mapegum EPX is used for floors and walls that need to be covered with ceramic tiles in factories, industrial kitchens, slaughterhouses, etc. to protect the substrate from chemical aggression.

Mapegum EPX should be applied in two coats by brush, roller or trowel in a total thickness of not less than 1 mm.

To install tile over **Mapegum EPX** use **Kerapoxy**, or sprinkle sand onto the second coat while still fresh and use **Granirapid** or **Adesilex P4**.

For walls, use **Mapegum EPX-T**, the thixotropic version.

Consumption

1.4 kg/m² per mm of thickness.

Packaging

Mapegum EPX: 10 kg (A+B);

Mapegum EPX-T: 10 kg (A+B).



Aquaflex System



Flexible, waterproofing and anti-fracture liquid membrane.

Use **Aquaflex** to waterproof all types of surfaces indoors and outdoors, as long as not permanently in contact with water and for waterproofing old bituminous or asphalt coverings.

Aquaflex can also be used as a flexible anti-fracture membrane for damaged substrates on which ceramic tiles or stone material can be installed, to prevent the formation of cracks on the covering.

Aquaflex is a ready-to-use grey or white coloured paste with a base of synthetic resins in water dispersion. Once dried it becomes a continuous flexible and waterproof membrane. For perfect bonding of **Aquaflex**, it is recommended to use **Primer for Aquaflex** over all difficult substrates such as: asphalt, bituminous membranes, old glazed tiles and cement surfaces. To avoid the formation of cracks due to substrate movement or of the tiled surface, it is recommended to insert a **Mapei Fibreglass Mesh** in the coat of **Aquaflex**. In particular, the use of the mesh is necessary in correspondence with the corners of the walls. As an alternative, use **Mapeband**.

The final thickness of **Aquaflex** should not be less than 1 mm in order to create a consistent, flexible and continuous film, making sure there are no interruptions due to substrate flaws.

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

Consumption

- **Primer for Aquaflex:** 160 g/m² (wet) per coat;
- **Aquaflex:** 300-450 g/m² (wet) per coat.

Packaging

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



Triblock P



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

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

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

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

Consumption

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

Packaging

- 5 kg units (A+B+C).



Triblock Finish



Three-component epoxy-cementitious thixotropic mortar for smoothing off damp substrates.

Triblock Finish is used for protecting and evening out vertical and horizontal concrete surfaces subject to damp, such as channels, drains and concrete pipes, for which good chemical resistance and high resistance to abrasion is required. **Triblock Finish** is an epoxy-cementitious system with the capacity of curing on damp indoor and outdoor surfaces, and of forming a compact, waterproof layer which, if required, is suitable for covering with epoxy and polyurethane products.

Triblock Finish is supplied in kits of 3 pre-dosed components, which must be mixed together using a low-speed drill until a smooth, lump-free paste is obtained.

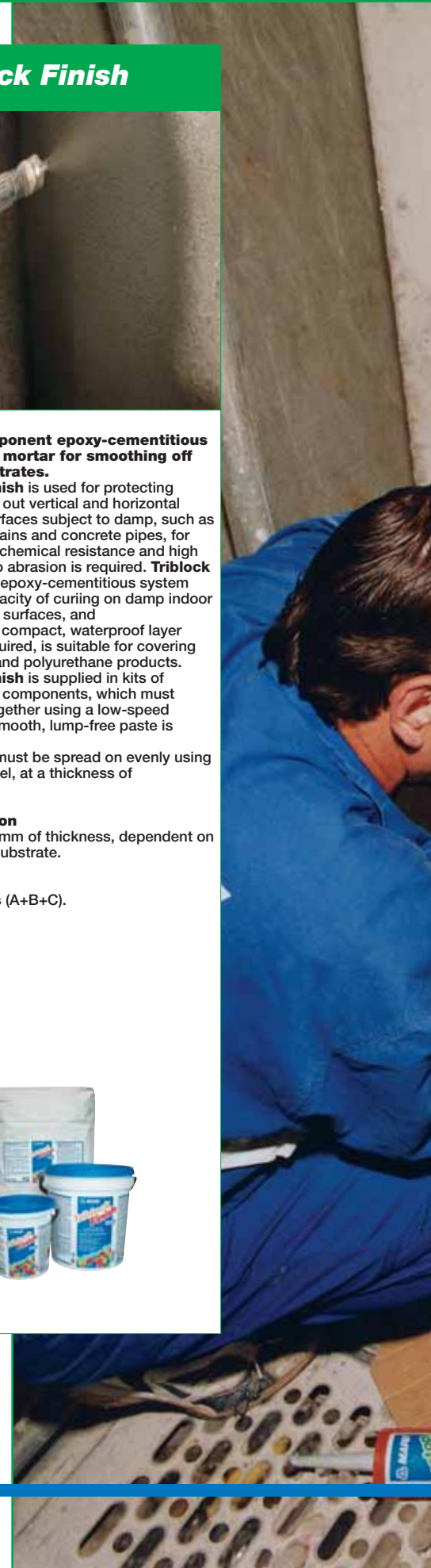
The mortar must be spread on evenly using a metal trowel, at a thickness of up to 3 mm.

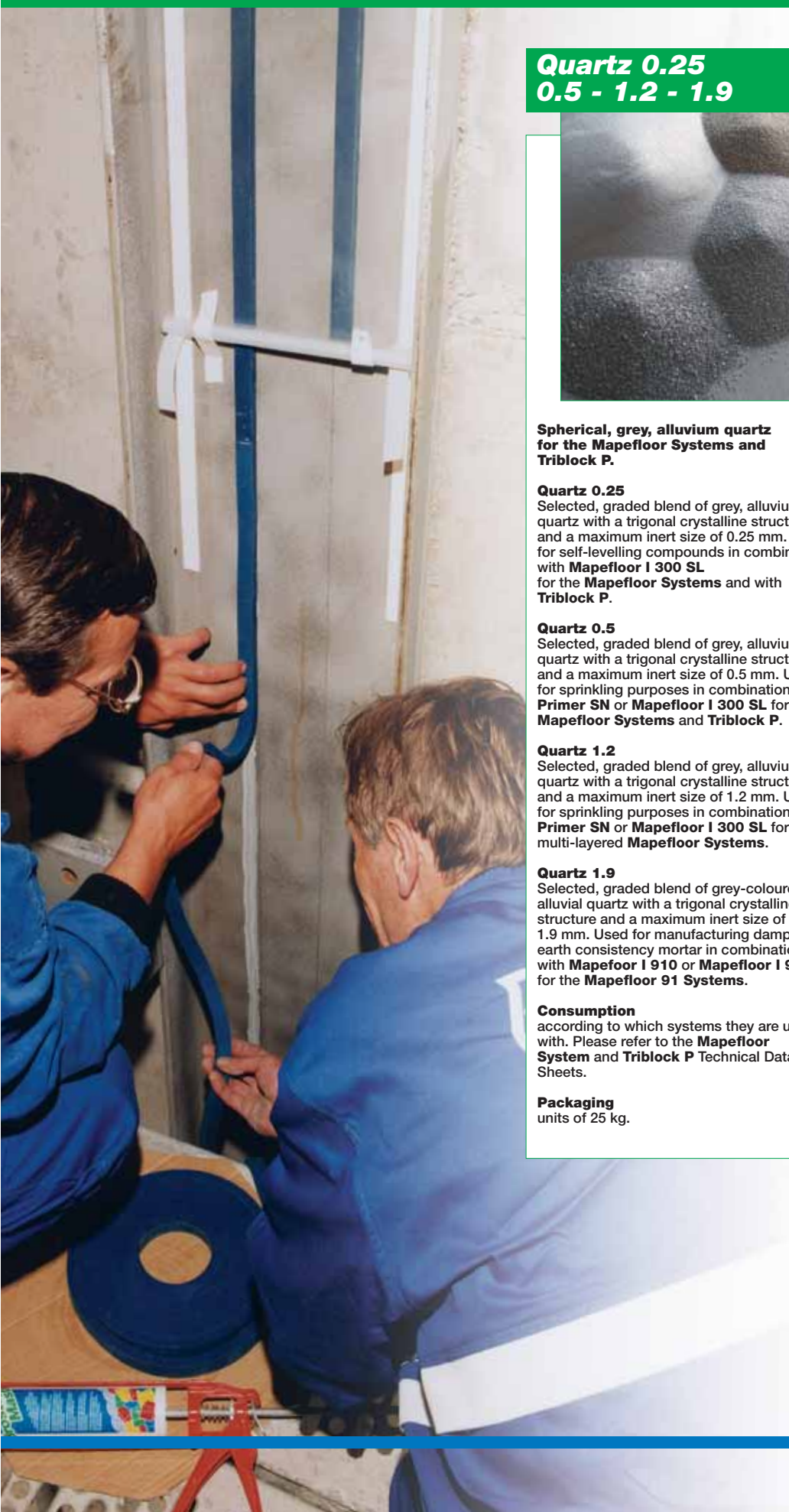
Consumption

- 2 kg/m² per mm of thickness, dependent on the type of substrate.

Packaging

- 31.25 kg kits (A+B+C).





**Quartz 0.25
0.5 - 1.2 - 1.9**



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

Quartz 0.25

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

Quartz 0.5

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

Quartz 1.2

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

Quartz 1.9

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

Consumption

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

Packaging

units of 25 kg.

Isamite



Bituminous paint in solvent solution.

Use **Isamite** as an adhesive primer for waterproofing works with bituminous membranes. **Isamite** can also be used as a protective paint for concrete and masonry walls in direct contact with the ground, for underground metal structures, the inside of waste water tanks and for metal gutters. **Isamite** is a ready-to-use bitumen based product in solvent solution.

Isamite can be applied by brush or spray in two coats on clean, sound and dry substrates. After it has completely dried, **Isamite** applied in the appropriate thickness forms a protective and waterproof coat.

N.B. ADR/RID approved packaging.

Consumption

- on metal surfaces: 100-150 g/m² per coat;
- on concrete and wood: 250-300 g/m² per coat.

Packaging

10 kg drums.



Plastimul Primer



Solvent-free, bitumen primer for treating substrates before applying a waterproofing product from the Plastimul range.

Plastimul Primer is used as a primer to improve and even out the bonding properties of laying substrates for products from the **Plastimul** range for waterproofing applications.

Plastimul Primer is a aqueous emulsion of high-quality, low-viscosity bitumen, and is completely solvent-free.

Plastimul Primer may be applied on concrete, solid bricks and tiles using either a brush or a roller, on both dry or slightly damp substrates.

Consumption

200-300 g/m² according to the type and absorption of the substrate.

Packaging

30 and 12 kg drums.



Plastimul



Bitumen waterproofing emulsion for general purpose use.

Plastimul is used for waterproofing horizontal and vertical surfaces, such as foundations, retaining walls, layers beneath tiles, etc. Due to its bonding characteristics, **Plastimul** may be used to attach insulating materials such as cork, rock-wool, etc.

Plastimul is a aqueous emulsion of a high-quality, bitumen paste, and is completely solvent-free. For waterproofing applications, spread on a number of layers of **Plastimul** until the required thickness is achieved.

Once dry, **Plastimul** forms a plastic layer which is resistant to water.

Consumption

ca. 1 kg/m² for waterproofing vertical surfaces.

Packaging

30 and 12 kg drums.



Plastimul 1K Super Plus



Highly flexible bitumen waterproofing emulsion with added polystyrene beads and rubber granules.

Plastimul 1K Super Plus is used for waterproofing horizontal and vertical concrete and brick surfaces, subject to high dynamic stresses.

Plastimul 1K Super Plus is a single component, ready-to-use, quick-drying bitumen emulsion with low shrinkage and high flexibility, with added polystyrene beads and small rubber granules. The product is applied using a flat or notched trowel. Once dry, it forms a waterproof finish with highly flexible properties.

Consumption

0.8 kg/m² per mm of thickness, dependent on the type of substrate.

Packaging

7.8 and 19.5 kg drums.



Plastimul 2K



Two-component bitumen emulsion with cellulose fibres.

Plastimul 2K is used for waterproofing horizontal and vertical surfaces at low temperatures or with excessive damp.

Plastimul 2K is a two-component, solvent-free bitumen emulsion with added cellulose fibres and hydraulic filling binders. Pour the hydraulic binder slowly into the bituminous emulsion and mix at a low speed to avoid the formation of lumps. Keep mixing until the mix is homogenous.

Plastimul 2K is particularly suitable for application on smooth surfaces and when the environment is highly rich with aggressive substances.

Plastimul 2K may also be used for spot bonding insulating panels, and acts as a protection around the perimeter of the waterproofing.

Application: smooth or notched trowel.

Consumption

1.7 kg/m² per mm of thickness, dependent on the type of substrate.

Packaging

30 kg kits (A + B).
comp. A: 22 kg;
comp. B: 8 kg.



Plastimul 2K Super



Two-component, highly flexible bitumen waterproofing emulsion with added polystyrene beads.

Plastimul 2K Super is used for waterproofing horizontal and vertical concrete and brick surfaces, which are subject to high dynamic stresses, and when the waterproofing cycle is carried out at low temperatures and in the presence of a high level of humidity.

Plastimul 2K is a two-component, solvent-free, highly flexible bitumen emulsion with added polystyrene beads. Pour the hydraulic binder slowly into the bituminous emulsion and mix at a low speed to avoid the formation of lumps. Keep mixing until the mix is homogenous.

Plastimul 2K Super is applied using a flat or notched trowel. Once dry, thanks to the hydraulic filling binder, it is quicker and forms a waterproof coating with highly flexible properties.

Consumption

1 kg/m² per mm of thickness, dependent on the type of substrate.

Packaging

22 kg kits (A + B).
comp. A: 17.6 kg;
comp. B: 4.4 kg.



Plastisol 1



Bitumen based plastic cement.

Use **Plastisol 1** for sealing joints and cracks on horizontal roofs and for waterproofing concrete gutters and flat roofing that is not subject to foot traffic.

Plastisol 1 is a compound of selected bitumens, plasticizing additives and special fibres; it forms a perfect bond to the substrate and retains its plastic properties unaltered over time.

Plastisol 1 is ready-to-use; apply by trowel onto dry substrates.

Plastisol 1 does not contain asbestos.

N.B. ADR/RID approved packaging.

Consumption

1.2 kg/m² per mm of thickness.

Packaging

8 kg drums.



Resfoam 1 KM



Super fluid one-component polyurethane resin to be injected for waterproofing concrete or masonry structures, grounds, and rocks subject to intense water percolation with variable adjustable setting times.

Resfoam 1 KM is a one-component polyurethane resin, free of halogens, that is able to react in the presence of water by forming a foam.

Resfoam 1 KM must be mixed with 10-20% **Resfoam 1 KM AKS** accelerator. Thanks to its high fluidity, **Resfoam 1 KM** penetrates several hundred micron thick cracks and can seal them even if they are subject to water infiltrations.

After its reaction, which occurs after 40-80 seconds depending on the temperature and the amount of added accelerator, the **Resfoam 1 KM** foam becomes semi-rigid and watertight.

Consumption

approximately 1 kg of mixture (0.9 kg of resin plus 0.1 kg of accelerator) per 50 l of cavity to be filled in free expansion.

Packaging

- **Resfoam 1 KM**: 10 kg drums.
- **Resfoam 1 KM AKS**: 1 kg drums.



Foamjet F



Fluid ultra rapid setting two-component polyurethane resin to be injected for consolidating and waterproofing structures subject to weak water ingress.

Use **Foamjet F** to consolidate rocks, grounds and to waterproof cracked concrete and masonry structures such as tunnels, shafts, dams, canals, bulkheads, damp flooring or beds.

Foamjet F is a two-component halogen-free resin that must be used with special machinery that is able to measure and mix Part A with Part B in a 1:1 ratio by volume. Thanks to its high fluidity, **Foamjet F** can penetrate through cracks of only several hundred microns and seals the cracks even if they are subject to water infiltrations. Once set, **Foamjet F** becomes perfectly watertight and ensures an effective consolidation of the structure.

Consumption

in the absence of water, approximately 1.1 kg/dm³ of cavity to be filled; in the presence of water, approximately 0.3 kg/dm³ of cavity to be filled.

Packaging

22.5 kg (A+B).



Foamjet T



High viscosity ultra rapid setting two-component polyurethane resin to be injected for consolidating and waterproofing structures subject to high pressure water ingress.

Use **Foamjet T** to waterproof cracked concrete and masonry structures such as tunnels, shafts, dams, canals, bulkheads, flooring or beds subject to strong water ingress.

Foamjet T is a two-component halogen-free resin that must be used with special machinery that is able to measure and mix Part A with Part B in a 1:1 ratio by volume. Thanks to its high fluidity, **Foamjet T** can penetrate through fissures of only several hundred microns and seals the cracks even if they are subject to water infiltrations. Once set, **Foamjet T** becomes perfectly watertight and ensures an effective consolidation of the treated structure.

Consumption

in the absence of water, approximately 1.1 kg/dm³ of cavity to be filled; in the presence of water, approximately 0.3 kg/dm³ of cavity to be filled.

Packaging

22.6 kg (A+B).





Mapegel 50



Three-component hydrophile gel for consolidating grounds and for barrage injection in concrete.

Mapegel 50 is used for consolidating grounds that are not very cohesive, for waterproofing hydraulic structures that leak water through macro-porosities and micro-cracks such as dams, bulkheads and tunnels.

Mapegel 50 is a hydrophile gel based on metacrylates composed of 3 components. After its preparation and thanks to its low viscosity, **Mapegel 50** can easily penetrate through macro-porosities and very small cavities, sealing them perfectly. After it has hardened, **Mapegel 50** has high viscosity and excellent chemical resistance to the main organic and inorganic liquids. Pour part A (resin) into a clean plastic container and while stirring add part B (hardener). In another container dilute part C (accelerator) with 20 l of water. Separately pump the two solutions 1:1 by volume using a metal pump for two-component products fitted with a special static mixer placed at the mouth of the nozzle, before the injector.

Consumption
approximately 1 kg/dm³ of cavity to be filled.

Packaging
21.3 kg units:
- part A = 20 kg;
- part B = 1 kg;
- part C = 0.3 kg.



Lamposilex



Ultra-fast setting and drying hydraulic binder for plugging water leaks.

Use **Lamposilex** to plug any source of water, even under pressure, in basements, tunnels, subways etc. and for sealing watertight rigid joints in hydraulic concrete structures, sewers, tanks and canals. Where seepage is present **Lamposilex** must be used before waterproofing with **Idrosilex Pronto**.

Once mixed with water **Lamposilex** forms a paste with a plastic consistency that sets in about 2 minutes.

Pour 1 kg of **Lamposilex** into a bucket containing 280 g of water while mixing very vigorously with a hand trowel until a homogeneous paste is obtained. For measures by volume, mix 2.5 parts of **Lamposilex** with 1 part of water. Immediately apply **Lamposilex** using a gloved hand.

Consumption
1.8 kg/dm³ of cavity to be filled.

Packaging
5 kg drums.



Rome subway - Italy
Waterproofing the ceiling with:
ADESILEX PG1, ADESILEX PG2,
MAPEBAND PVC



Mapeproof



Bentonite waterproofing sheets for structures below ground level, suitable for both horizontal and vertical surfaces

Mapeproof is made from two layers of polypropylene geo-textile fabric which are needle-punched together to form a sandwich around a uniform layer of 5.1 kg of natural sodium bentonite.

The needle-punching process involves the use of thousands of needles with a hooked tip, which force part of the fibres of the upper layer of non-woven fabric through the middle layer of bentonite, and stitch it to the lower support layer of geo-textile fabric. Thanks to this special sewing process, the micronized natural sodium bentonite contained in the **Mapeproof** sheets remains in position, even when it becomes wet or if it is applied on vertical surfaces.

The properties of **Mapeproof** make it form a self-sealing composite which, in contact with water or humidity in the ground, forms a gel with excellent waterproofing properties.

The product is available in the following formats:

- 1.10 m x 5.00 m rolls;
- 2.50 m x 22.50 m rolls;
- 5.00 m x 40 m rolls.

Mapeproof LW



Bentonite waterproofing sheets for use on horizontal and vertical structures below ground level with a maximum water table of 5 metres.

Mapeproof LW is made from two layers of polypropylene geo-textile fabric which are needle-punched together to form a sandwich around a uniform layer of 4.1 kg of micronized natural sodium bentonite.

The needle-punching process involves the use of thousands of needles with a hooked tip, which force part of the fibres of the upper layer of non-woven fabric through the middle layer of bentonite, and stitch it to the lower support layer of geo-textile fabric. Thanks to this special sewing process, the micronized natural sodium bentonite contained in the **Mapeproof LW** sheets remains in position, even when it becomes wet or if it is applied on vertical surfaces.

The properties of **Mapeproof LW** make it form a self-sealing composite which, on contact with water or humidity in the ground, forms a gel with excellent waterproofing properties.

The product is available in the following formats:

- 2.50 m x 22.50 m rolls;
- 5.00 m x 40 m rolls.

Mapeproof CD



Washers used to fasten Mapeproof bentonite sheets in place.

Polyethylene washers used to fasten **Mapeproof** bentonite sheets in place on horizontal and vertical surfaces.

Mapeproof CD may be used with both hammer and nails or with a nail gun. Apply **Mapeproof CD** washers every 50 cm on the overlaps between **Mapeproof** bentonite on horizontal surfaces, and every 30 cm on vertical surfaces.

Packaging

boxes with 500 washers.



Milan Underground - Italy
Waterproofing of walls with:
LAMPOSILEX, ADESILEX PG1, MAPEFINISH

New

Mapeproof Mastic



Bentonite paste made from natural sodium bentonite and plasticising additives for sealing elements which pass through surfaces.

Mapeproof Mastic bentonite paste is made from natural sodium bentonite and plasticising additives.

Mapeproof Mastic is used for sealing elements (such as tie bolts) which pass through surfaces, for sealing formwork and small honeycombs voids, to blend in edges and corners and for localised repairs to bentonite sheets.

One of the characteristics of **Mapeproof Mastic** is that it is extremely easy to use.

Packaging

10-litre drums with 15 kg of product



New

Mapeproof Seal



Natural sodium bentonite in powder form for localised strengthening of waterproofing layers made using Mapeproof bentonite sheets.

Mapeproof Seal may be used for filling voids and cavities on horizontal surfaces before laying **Mapeproof**, and for repairing tears in the sheets or defects in the overlapped areas of the sheets. Apply the product as is on horizontal surfaces.

Packaging

25 kg paper sacks.



Mapeproof Swell



Hydro-expansive, rubber-based hydrophilic sealant paste in cartridges, applied using an extrusion gun.

Mapeproof Swell has been specially formulated to make waterproof, flexible seals in cracks in reinforced cement and in prefabricated elements infiltrated by water. Storage: store in a closed, dry area in its original packaging.

Packaging

320 ml cartridges.



Dehumidifying renders





Mape-Antique Rinzafo



Light-coloured salt-resistant cement-free pre-packed lime- and Eco-Pozzolan-based 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/m² per 5 mm of thickness.

Packaging

20 kg bags.



Mape-Antique MC



Pre-packed, cement-free, light coloured dehumidifying lime- and Eco-Pozzolan-based 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/m² per cm of thickness.

Packaging

25 kg bags.



Ferro Palace - Trapani - Italy
 Reparation and decoration of the façade with:
 MAPE-ANTIQUE MC, MAPE-ANTIQUE RINZAFFO,
 SILEXCOLOR PRIMER, SILEXCOLOR TONACHINO

Mape-Antique CC



Pre-mixed cement-free brick-coloured dehumidifying lime- and Eco-Pozzolan-based mortar for the restoration of damp stone, brick and tuff masonry.

Mape-Antique CC 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 sulphate salts.

Mape-Antique CC applied after **Mape-Antique Rinzafo** is suitable for the restoration of buildings damaged by strong presence of chlorides.

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

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

Consumption

15 kg/m² per cm of thickness.

Packaging

25 kg bags.



Mape-Antique LC



Cement-free hydraulic binder for light-coloured dehumidifying lime- and Eco-Pozzolan-based mortars for the restoration of damp stone, brick and tuff masonry.

Mape-Antique LC is a pre-blended 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/m³ with sand graded between 0.5 and 2.5 mm to 440 kg/m³ with sand graded between 0.5 and 5 mm.

Packaging

20 kg bags.



Mape-Antique FC Mape-Antique FC/R



Cement-free lime- and Eco-Pozzolan-based 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-blended 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/m² per mm of thickness.

Packaging

25 kg bags.



Palazzo Gradari - Pesaro - Italy
 Reparation and decoration of the façade with:
 MAPE-ANTIQUE RINZAFFO, MAPE-ANTIQUE MC,
 MAPE-ANTIQUE FC and FC/R, SILEXCOLOR PRIMER,
 SILEXCOLOR TONACHINO, SILEXCOLOR PAINT



PoroMap Rinzaffo



Pre-blended salt-resistant mortar to be applied by hand before the dehumidifying and thermal insulating render PoroMap Intonaco.

PoroMap Rinzaffo 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 Rinzaffo** is especially suitable for repairing old stone, tuff and brick buildings damaged by the strong presence of soluble salts.

PoroMap Rinzaffo'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 Rinzaffo** with 4.6 l of water in a cement mixer for 5-6 minutes.

PoroMap Rinzaffo is applied, maximum 5 mm thick.

Consumption

7.5-8 kg/m² per 5 mm of thickness.

Packaging

25 kg bags.



PoroMap Intonaco



Grey coloured, pre-blended, dehumidifying and thermal insulating salt-resistant mortar, for the restoration of damp stone, brick and tuff masonry to be applied by hand.

PoroMap Intonaco is a pre-packed dehumidifying mortar. 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 Rinzaffo**, 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.

Consumption

10-11.5 kg/m² per cm of thickness.

Packaging

20 kg bags.

