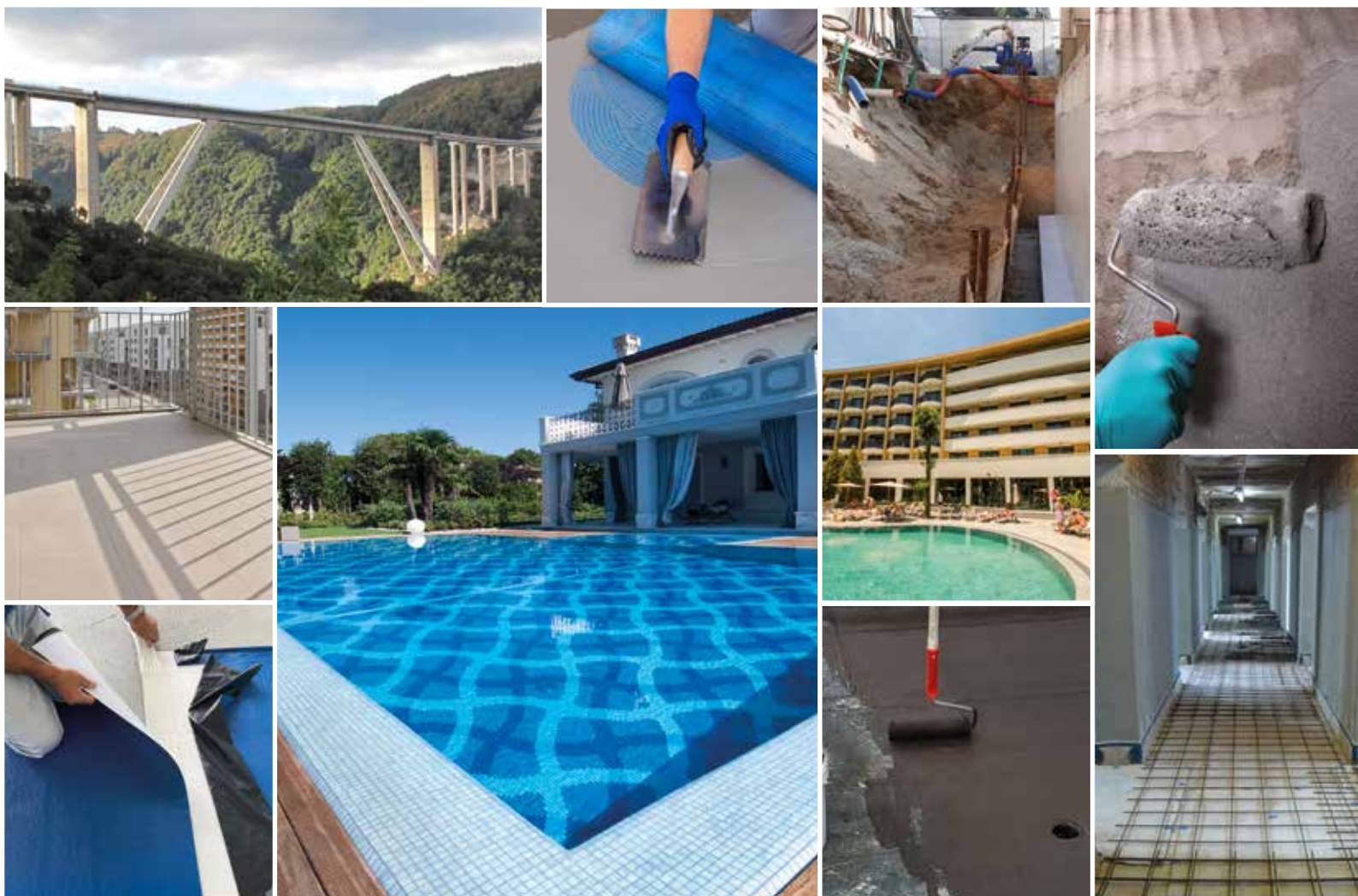


SELECTION CHART OF WATERPROOFING PRODUCTS



BATHROOMS, DAMP AREAS, SWIMMING POOLS, INDUSTRIAL KITCHENS, BALCONIES, TERRACES and FLAT ROOFS



Bathrooms



Swimming pools



Kitchens

Bathrooms, swimming pools, spas, industrial kitchens, balconies and terraces: all environments to be protected from water.

In order to waterproof these environments efficiently it is important to:

- protect structures from deterioration;
- improve rooms' comfort;
- reduce maintenance costs to the minimum.

That's why MAPEI always offers its customers different systems for specific problems and always has the right product with suitable accessories to solve these problems.

WATERPROOFING STRUCTURES ABOVE GROUND LEVEL

It is very important that newly built structures which, during their normal service life, will come into contact with water, such as balconies, terraces and roofs, or which have areas or rooms that will be exposed to damp or moisture, such as swimming pools, bathrooms and industrial kitchens, are correctly waterproofed in order to increase their durability.

MAPEI has developed a system of products and accessory items for this type of application that may be used to carry out waterproofing work that is both secure and guaranteed, and which also takes into account the special care required around particular areas and features of structures.

... NEW STRUCTURES



- | | | | |
|----------|--|-----------|---|
| 1 | Concrete CALCESTRUZZO RCK40 | 8 | Rubber tape MAPETEX SEL N |
| 2 | Bonding promoter EPORIP | 9 | Cementitious waterproofer - 2 nd coat
MAPELASTIC TURBO |
| 3 | Screed TOPCEM PRONTO | 10 | Adhesive KERAFLEX MAXI S1 ZERO |
| 4 | Cementitious waterproofer - 1 st coat
MAPELASTIC TURBO | 11 | Ceramic tiles |
| 5 | Rubber tape MAPEBAND EASY | 12 | Grout ULTRACOLOR PLUS |
| 6 | Epoxy adhesive ADESILEX PG4 broadcast with QUARZO
0,25 - 0,5 - 0,9 - 1,2 - 1,9 | 13 | Sealant MAPESIL AC ECO |
| 7 | Wall drain DRAIN FRONT | | |

WATERPROOFING STRUCTURES ABOVE GROUND LEVEL

... REPAIRS TO EXISTING STRUCTURES



- | | | | |
|---|--|----|--|
| 1 | Substrate | 7 | Cementitious waterproofer MAPELASTIC ZERO |
| 2 | Smoothing compound ADESILEX P4 | 8 | Adhesive KERAFLEX MAXI S1 ZERO |
| 3 | Cementitious waterproofer MAPELASTIC ZERO | 9 | Ceramic tiles |
| 4 | Floor drain DRAIN VERTICAL | 10 | Grout ULTRACOLOR PLUS |
| 5 | Glass fibre mesh MAPENET 150 | 11 | Sealant MAPEFLEX PU 45 FT |
| 6 | Rubber tape MAPEBAND EASY | 12 | Sealant MAPESIL AC ECO |

Damage to the waterproofing system of existing roofs may be due to numerous factors. In order to guarantee the durability of a structure, it is very important the products used can ensure that the structure is waterproof and will provide adequate protection.

To ensure these conditions are met, MAPEI has developed a series of systems that may be used to repair the waterproofing system of existing structures by applying waterproofing products and their relative accessory items, either directly over the existing system or after breaking out limited areas of the structure, to guarantee the structure is made waterproof again.

... EXISTING EXPOSED ROOF WITH BITUMINOUS MEMBRANE USING A READY-TO-USE WATERPROOFER WITH HIGH SOLAR REFLECTANCE



- 1 Old degraded bituminous membrane (with hems)
- 2 Primer **AQUAFLEX PRIMER**
- 3 Ready-to-use acrylic waterproofer
AQUAFLEX ROOF HR 1st coat
- 4 Ready-to-use acrylic waterproofer
AQUAFLEX ROOF HR 2nd coat



Aquaflex S 1K



- ▶ Liquid waterproofing membrane based on **silane-terminated polymers**.
- ▶ **Ready-to-use**.
- ▶ **Solvent-free**.
- ▶ **To be left exposed or tiled**.



Mapelastix Smart



- ▶ **Two-component**, high-flexibility **cementitious mortar**.
- ▶ For **protection and waterproofing**.
- ▶ Used in conjunction with **Mapenet 150** and **Mapetex Sel N**, **Mapelastix Smart** may be also used on surfaces particularly stressed or crazed and helps to **improve both elongation at break and crack bridging**.



Mapelastix AquaDefense



- ▶ **Ready-to-use, flexible**, liquid waterproofing membrane.
- ▶ **Solvent-free**.
- ▶ **Ultra-quick drying**.
- ▶ For **internal and external** waterproofing applications.
- ▶ Ceramic and stone material may be applied after only **4 hours**.



Monolastic



- ▶ **One-component, flexible cementitious mortar**.
- ▶ It **bonds extremely well to all surfaces in concrete, masonry, ceramic and marble**.
- ▶ Greenhouse gas emissions offset.



Mapeband



- ▶ **Alkali-resistant rubber tape with felt** for cementitious waterproofing systems and liquid membranes.
- ▶ For **walls and floors**.
- ▶ For **any type of substrate**.
- ▶ For bathrooms, showers, terraces, balconies, etc., that are to be tiled with ceramic tiles, marble, natural stones.



Mapeband PE 120



- ▶ **PVC tape** for waterproofing systems formed using liquid membrane, not cementitious.
- ▶ **Flexible waterproofing** seal of edges, expansion joints, pipes and drains.



Mapelastix Zero



- ▶ **Waterproofing** and cement protection for **balconies, terraces, bathrooms and damp rooms**.
- ▶ **Complete system** of accessories for total waterproofing.
- ▶ **Compensated greenhouse gas emissions**.



Mapelastix Turbo



- ▶ **Two-component**, quick-drying, elastic **cementitious mortar**.
- ▶ May also be applied at low temperatures and on substrates not perfectly dry, as long as they are well-cured.
- ▶ Application of two coats incorporating **Mapenet 150** or **Mapetex Sel N**.



Mapegum WPS



- ▶ **Fast drying, liquid elastic membrane** for interior waterproofing.
- ▶ **Solvent-free**.
- ▶ **Ready-to-use**.
- ▶ Application: **smooth trowel, roller or spray** in two crossing coats.
- ▶ For **thin thicknesses** 0.8 mm final thickness on damp surface, 0.5 mm on dry surface.



Mapeband TPE

- ▶ **TPE tape** for **flexible sealing and waterproofing** of structural joints subject to movements **up to 5 or 10 mm**.
- ▶ For expansion joints in road-works, water tunnels and covering applications.



Drain Vertical / Drain Lateral

- ▶ **Floor-drain kit**.



Mapeband SA



- ▶ **Self-adhesive butyl tape** with alkali-resistant, non-woven fabric for elastic waterproofing systems.
- ▶ Seals between different types of material and waterproofing narrow fillets in tight spaces.
- ▶ May be applied on various substrates after suitable preparation and application of a suitable primer.



Mapeband Easy



- ▶ **Rubber tape** of non-woven fabric to form elastic joints in waterproofing systems.
- ▶ Highly elastic.
- ▶ Easy to apply thanks also to the holes along the edges.



Mapelastic Zero



- ▶ **Waterproofing** and cement protection for balconies, terraces, bathrooms and damp rooms.
- ▶ **Complete system** of accessories for total waterproofing.
- ▶ **Compensated greenhouse gas emissions.**



Mapelastic Smart



- ▶ **Two-component, high-flexibility cementitious mortar.**
- ▶ For **protection and waterproofing.**
- ▶ Used in conjunction with **Mapenet 150** and **Mapetex Sel N**, Mapelastic Smart may be also used on surfaces particularly stressed or crazed and helps to **improve both elongation at break** and crack bridging.



Mapeband



- ▶ **Alkali-resistant rubber tape with felt** for cementitious waterproofing systems and liquid membranes.
- ▶ For **walls and floors.**
- ▶ For **any type of substrate.**
- ▶ For baths, showers, terraces, balconies, etc., that are to be tiled with ceramic tiles, marble, natural stones.

Drain Vertical



- ▶ **Floor-drain kit.**

Mapetex Sel N



- ▶ **Non-woven, polypropylene fabric.**
- ▶ **Totally permeable to water, with synthetic polypropylene fibres.**
- ▶ For **reinforcing** waterproofing membranes.



Planiseal 288



- ▶ **Two component cementitious mortar** for waterproofing internal structures, basins and tanks.
- ▶ Waterproofing of internal structures even with water in counterpressure.
- ▶ To be applied by **brush, roller or trowel.**



Mapelastic Foundation



- ▶ **Two-component, flexible cementitious mortar** for waterproofing.
- ▶ For **concrete surfaces subject to negative or positive hydrostatic pressure.**
- ▶ For **foundation walls, car-parks, environments below ground level, water channels and swimming pools.**
- ▶ To be applied by **roller or spray.**
- ▶ For **horizontal and vertical surfaces** at a **thickness of at least 2 mm.**

Mapeproof Swell



- ▶ **Hydro-expansive, rubber-based hydrophilic sealant paste** in cartridges, applied using an extrusion gun.
- ▶ For **waterproof, flexible seals** in cracks in reinforced cement and in prefabricated elements infiltrated by water.

Mapeband TPE



- ▶ **TPE tape for flexible sealing and waterproofing** of structural joints subject to movements **up to 5 or 10 mm.**
- ▶ For expansion joints in road-works, water tunnels and covering applications.

Mapenet 150



- ▶ **Alkali-resistant glass fibre mesh** (in compliance with ETAG 004 guide).
- ▶ For **reinforcing** waterproof protections, anti-fracture membranes and insulation coatings.



Mapeband Easy



- ▶ **Rubber tape** of non-woven fabric to form elastic joints in waterproofing systems.
- ▶ Highly elastic.
- ▶ Easy to apply thanks also to the holes along the edges.



Mapegum EPX / Mapegum EPX-T



- ▶ Chemical resistant, **epoxy-polyurethane resin** for waterproofing and protecting screeds and concrete slabs prior to the laying of ceramic tiles.
- ▶ **Mapegum EPX-T**, thixotropic version for walls.
- ▶ No reinforcement required.



Aquaflex S 1K



- ▶ Liquid waterproofing membrane based on **silane-terminated polymers**.
- ▶ **Ready-to-use**.
- ▶ **Solvent-free**.
- ▶ **To be left exposed or tiled**.



Mapelastix Smart



- ▶ **Two-component, high-flexibility cementitious mortar**.
- ▶ For **protection and waterproofing**.
- ▶ Used in conjunction with **Mapenet 150** or **Mapetex Sel N**, Mapelastix Smart may be also used on surfaces particularly stressed or crazed and helps to **improve both elongation at break and crack bridging**.



Mapelastix AquaDefense



- ▶ **Ready-to-use, flexible, liquid waterproofing membrane**.
- ▶ **Solvent-free**.
- ▶ **Ultra-quick drying**.
- ▶ For **internal and external** waterproofing applications.
- ▶ Ceramic and stone material may be applied after only **4 hours**.



Monolastic



- ▶ **One-component, flexible cementitious mortar**.
- ▶ It **bonds extremely well to all surfaces in concrete, masonry, ceramic and marble**.
- ▶ Greenhouse gas emissions offset.

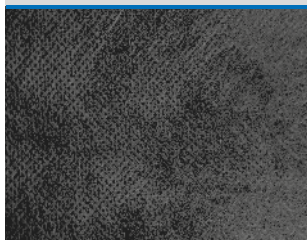


Aquaflex Roof HR



- ▶ **Fibre-filled liquid membrane in water emulsion with high solar reflectance** and thermal emittance with a high SRI solar reflectance index [105].
- ▶ **Ready-to-use**.
- ▶ **Lowers the surface temperature** of the roof by **more than 50%** compared with dark coloured roofs.
- ▶ For **continuous exposed** waterproofing layers.
- ▶ **High reflectance white colour SRI 105**.

Mapetex 50



- ▶ **Non-woven polypropylene fabric**.
- ▶ Black coloured non-woven fabric of 50 g/m² made from **single heat-welded polypropylene threads**.
- ▶ For **reinforcing** waterproofing membrane as **Aquaflex Roof, Aquaflex Roof HR and Aquaflex Roof Plus**.



Mapelastix Zero



- ▶ **Waterproofing and cement protection** for balconies, terraces, bathrooms and damp rooms.
- ▶ **Complete system** of accessories for total waterproofing.
- ▶ **Compensated greenhouse gas emissions**.



Mapelastix Turbo



- ▶ **Two-component, quick-drying, elastic cementitious mortar**.
- ▶ May also be applied at low temperatures and on substrates not perfectly dry, as long as they are well-cured.
- ▶ Application of two coats incorporating **Mapenet 150** or **Mapetex Sel N**.



Mapeband SA



- ▶ **Self-adhesive butyl tape** with alkali-resistant, non-woven fabric for elastic waterproofing systems.
- ▶ Seals between different types of material and waterproofing narrow fillets in tight spaces.
- ▶ May be applied on various substrates after suitable preparation and application of a suitable primer.



Aquaflex Roof



- ▶ **Ready-to-use, flexible, liquid membrane**, with fibres for continuous waterproofing layers on exposed external surfaces.
- ▶ **Ready-to-use**.
- ▶ **Set to light foot traffic**.
- ▶ **Stored for 24 months** in its original packaging.
- ▶ For **continuous waterproofing** of exposed surfaces.



Aquaflex Roof Plus



- ▶ **Ready-mixed, highly elastic, rapid drying, liquid waterproofing membrane** resistant to UV rays.
- ▶ **Rapid drying**.
- ▶ Durability classes 5, 10 and 15 years.
- ▶ **SRI (Solar Reflectance Index) = 107**.

Mapetex Sel N



- ▶ **Non-woven, polypropylene fabric**.
- ▶ **Waterproofing, with synthetic polypropylene fibres**.
- ▶ For **reinforcing** waterproofing membranes.

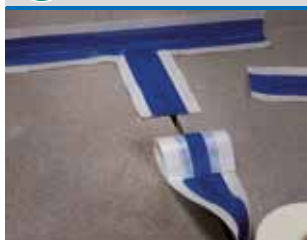


Mapenet 150

- ▶ **Alkali-resistant glass fibre mesh** (in compliance with ETAG 004 guide).
- ▶ For **reinforcing** waterproof protections, anti-fracture membranes and insulation coatings.



Mapeband



- ▶ **Alkali-resistant rubber tape with felt** for cementitious waterproofing systems and liquid membranes.
- ▶ For **walls and floors**.
- ▶ For **any type of substrate**.
- ▶ For bathrooms, showers, terraces, balconies, etc., that are to be tiled with ceramic tiles, marble, natural stones.

Drain Front



- ▶ **TPE angular outlet** for terraces and balconies.
- ▶ Available in **ivory** and **copper** colour.



Mapeband Easy



- ▶ **Rubber tape** of non-woven fabric to form elastic joints in waterproofing systems.
- ▶ Highly elastic.
- ▶ Easy to apply thanks also to the holes along the edges.

Purtop Easy T



- ▶ **One-component transparent aliphatic polyurethane** waterproofing membrane for terraces and balconies.
- ▶ For **renovation work**.
- ▶ **Ready-to-use**; applied in two coats.

Mapetex FG



- ▶ Glass fibre reinforcing mat (weight 100 g/m²).
- ▶ To be used with **Purtop Easy**.



Mapeband TPE

- ▶ **TPE tape** for **flexible sealing and waterproofing** of structural joints subject to movements **up to 5 or 10 mm**.
- ▶ For expansion joints in road-works, water tunnels and covering applications.



Drain Vertical / Drain Lateral

- ▶ **Floor-drain kit**.



Mapeslope

- ▶ **One-component cementitious levelling mortar** for building up slopes on roofs over new and old waterproof membranes.
- ▶ Application: smooth spreader over bitumen sheaths, existing floor coverings and cementitious substrates in general.
- ▶ To build up areas **up to 5 cm thick** in a single layer.



Purtop Easy



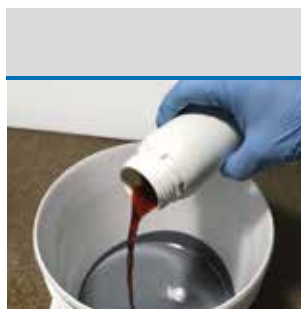
- ▶ **One-component elastic polyurethane** waterproofing membrane.
- ▶ For **new and existing** structures; may be applied on a wide range of substrates.
- ▶ Applied in two coats, but by adding **Purtop ADY** it may be applied in **one single coat**.
- ▶ **Coloured finish** remains stable over the years thanks to **Mapecoat PU 20 N**.



Plastimul High Flex Plus



- ▶ **Multi-purpose, ready-to-use**, water-based **bituminous** waterproofing membrane.
- ▶ For **roofs, foundations, metal surfaces as gutters**.
- ▶ **Highly flexible** with **excellent crack-bridging properties** and **UV resistant**.
- ▶ Apply two coats with a trowel, roller or by spray.



Purtop ADY

- ▶ Admixture for applying **Purtop Easy** waterproofing membranes in just one single coat.
- ▶ 2 litres of **Purtop ADY** for every 25 kg drum of **Purtop Easy** and 1.2 litres for every 15 kg drum.

UNDERGROUND STRUCTURES



New constructions



Repairs

Underground structures: the elements of a building which are most often in contact with water and aggressive elements in the ground.

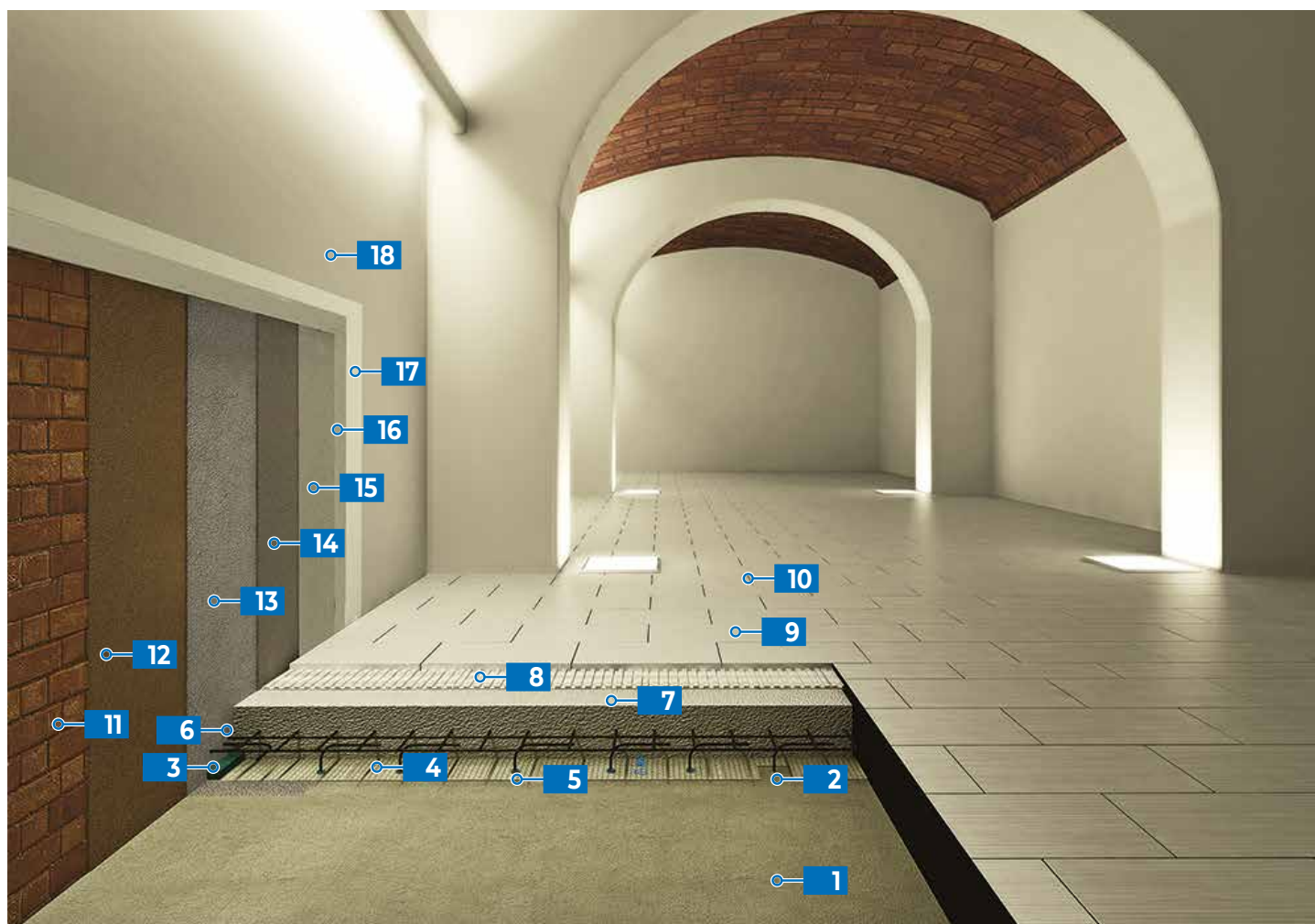
All structures below ground level come into contact with the humidity in the ground or with the water table and must be protected to guarantee the life-span of buildings. If no suitable protection is applied, there are no construction materials with the capacity of resisting the various factors which are present below ground level. MAPEI offers a wide portfolio of repair and protection solutions which guarantee an efficient solution for any construction element.

RENOVATING STRUCTURES BELOW GROUND LEVEL WITH WATER UNDER PRESSURE

How many times have we been in an unpleasant room below ground level, such as a basement or cellar where damp and humidity have caused stains to form on the walls and there is an unpleasant smell? For all existing structures with problems caused by infiltrations into rooms below ground level, whether they have only been recently built or are existing, MAPEI has developed various restoration systems that guarantee wellbeing and comfort in such environments.

These methods have various degrees of invasiveness and include special attention to the minor details right up to complete linings for existing structures, so that they are isolated from any surrounding water

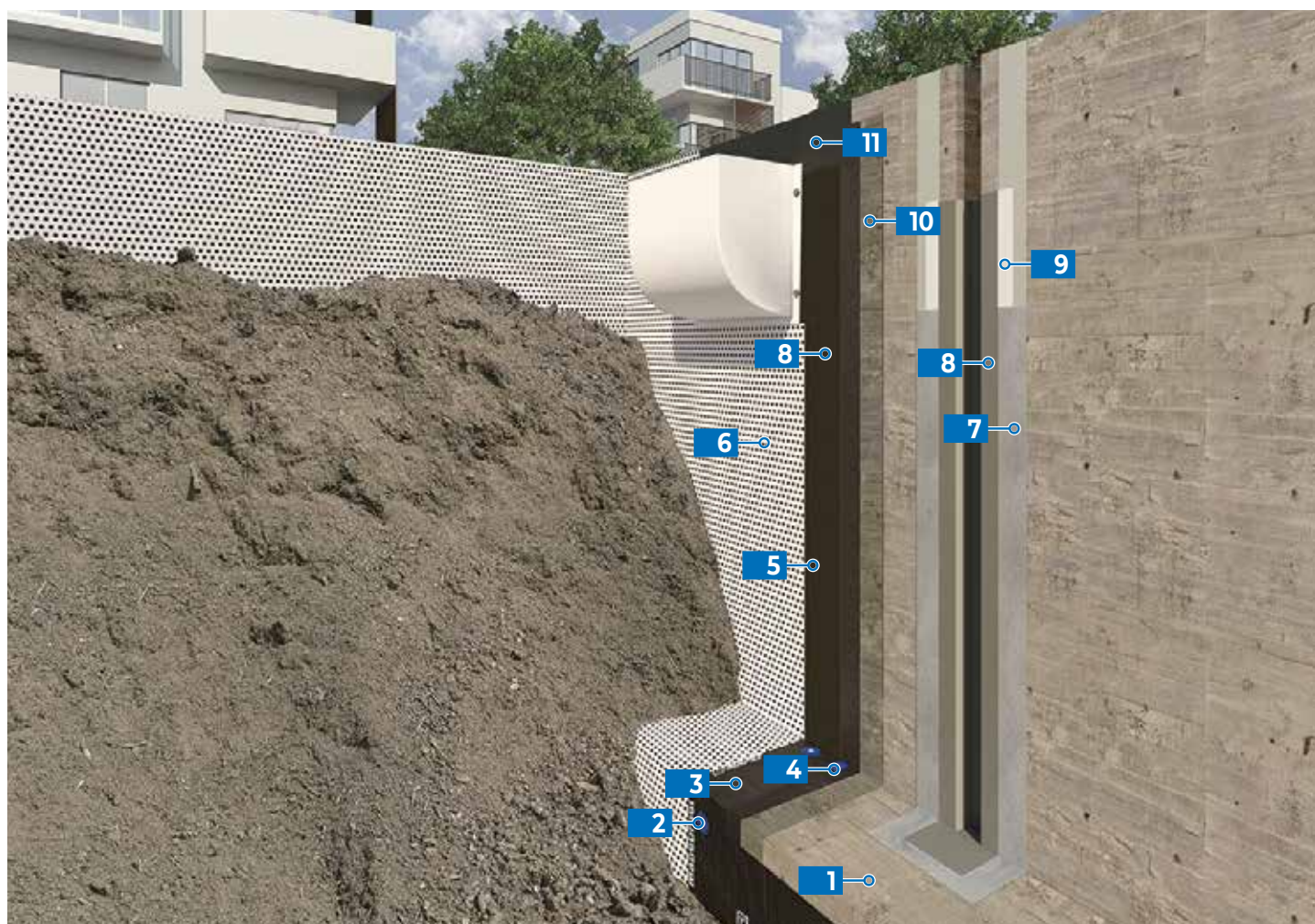
... EXISTING MASONRY STRUCTURES WITH WATER IN COUNTER PRESSURE AND ANTI CONDENSATION CYCLE



- | | |
|---|--|
| 1 Existing structure | 11 Solid brickwork |
| 2 Chemical anchor for structural loads MAPEFIX VE SF | 12 Levelling layer PLANITOP HDM MAXI |
| 3 Water-expanding bentonite jointing strip IDROSTOP SOFT fixed to the substrate with ULTRABOND MS RAPID adhesive | 13 Waterproofing cementitious mortar (2 coats) MAPELASTIC FOUNDATION after applying PRIMER 3296 |
| 4 Bentonite sheet MAPEPROOF | 14 Base scratch-coat POROMAP RINZAFFO PLUS |
| 5 Bentonite grout MAPEPROOF MASTIC | 15 Dehumidifying render POROMAP DEUMIDIFICANTE |
| 6 Hydro-expansive paste sealant MAPEPROOF SWELL | 16 Transpirant skimming mortar POROMAP FINITURA |
| 7 Structure in concrete with DYNAMON | 17 Siloxane primer SILANCOLOR PRIMER |
| 8 Adhesive KERAFLEX | 18 Siloxane paint SILANCOLOR PITTURA |
| 9 Tiles | |
| 10 Grout ULTRACOLOR PLUS | |

WATERPROOFING BELOW-GRADE FOUNDATIONS OF NEW CONSTRUCTIONS

... REINFORCED CONCRETE FOUNDATIONS IN OPEN EXCAVATIONS



- 1 Concrete structure admixed with **DYNAMON**
- 2 Washer **MAPEPROOF CD**
- 3 Bentonite sheet **MAPEPROOF**
- 4 Bentonite paste **MAPEPROOF MASTIC**
- 5 Waterproofing bituminous emulsion **PLASTIMUL 2K REACTIVE**
- 6 Non-woven fabric combined to HDPE **POLYFOND KIT DRAIN** produced by Polyglass

- 7 Epoxy adhesive **ADESILEX PG4** broadcast with **QUARZO 0,5**
- 8 TPE tape **MAPEBAND TPE**
- 9 Pre-cast self-adhesive bitumen polymer membrane **ADESOGUARD** produced by Polyglass
- 10 Primer **PLASTIMUL PRIMER SB**
- 11 Epoxy adhesive **ADESILEX PG4**

When a new building site is opened, one of the first problems is to install and waterproof the foundations so that, once completed, any rooms in the building below ground level will remain dry and usable by the occupants. The subject of waterproofing is particularly significant in order to isolate the structures from any surrounding water, and a continuous, waterproof “tanking” must be created around the structure under construction.

MAPEI offers a complete range of solutions for waterproofing new structures constructed below ground level, from bentonite sheets to cementitious products and bitumen emulsions. The range also includes all the ancillary materials required (such as jointing materials for construction joints and structural joints), to form a perfectly watertight system, even around construction details, protrusions and penetrations.

... REINFORCED CONCRETE FOUNDATIONS IN EXCAVATIONS WITH TEMPORARY SHORING



- 1** Lean concrete
- 2** Bentonite sheet **MAPEPROOF**
- 3** Water-expanding bentonite jointing strip **IDROSTOP B25**
- 4** Concrete structure admixed with **DYNAMON**

- 5** Diaphragm
- 6** Capstone beam
- 7** Two-component cementitious mortar **MAPELASTIC FOUNDATION** after levelling off the diaphragm with fibre-reinforced thixotropic mortar **MAPEGROUT 430**

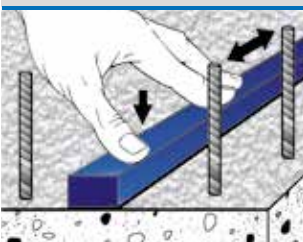


Mapeproof



- ▶ **Bentonite waterproofing sheets** for underground structures.
- ▶ Suitable for both **horizontal** and **vertical** surfaces.
- ▶ For both **pre-cast** and **post-cast**.

Idrostop



- ▶ **Hydrophilic expandable rubber** section for watertight construction joints.
- ▶ Specially designed to **form** watertight construction joints up to a **hydraulic pressure** of 5 atm.
- ▶ **Bentonite-free**.
- ▶ Creates an **active barrier** against pressurized water (positive and negative).
- ▶ For **concrete, metal, PVC** and **natural stone**.
- ▶ Bond **Idrostop** to the substrate with **Idrostop Mastic**

Idrostop Soft



- ▶ **Water-expanding, highly-flexible, bentonite jointing** strip for waterproofing construction joints and second pours.
- ▶ **Excellent elasticity**.
- ▶ **High swelling capacity**, capable of filling small honeycomb voids and shrinkage in the concrete.
- ▶ **Idrostop Soft** must be bonded to the substrate with **Mapeflex MS 45** or **Ultrabond MS Rapid**.

Mapeband TPE



- ▶ **TPE tape** for **flexible sealing and waterproofing** of structural joints subject to movements up to 5 or 10 mm.
- ▶ For expansion joints in road-works, water tunnels and covering applications.



Planiseal 88 (former Idrosilex Pronto)



- ▶ **Osmotic cementitious mortar** suitable for contact with drinking water.
- ▶ For **waterproofing** foundations, walls, cellars, basements, lift-rooms, swimming pools, canals and reservoirs. Also safe for use on containers holding drinking water.
- ▶ To be applied by **brush, trowel** or **spray**.

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.
- ▶ For **sealing watertight rigid joints** in hydraulic concrete structures, sewers, tanks and canals.

Mapeproof Swell



- ▶ **Hydro-expansive, rubber-based hydrophilic sealant paste** in cartridges, applied using an extrusion gun.
- ▶ For **waterproof, flexible seals** in cracks in reinforced cement and in prefabricated elements infiltrated by water.

Idrostop B25



- ▶ **Waterstop profile** made from natural sodium bentonite and polymers.
- ▶ **Compact, flexible** and **stable**.
- ▶ **Seals** the formation of small localised gravel clusters in concrete.
- ▶ It forms a perfect **seal** in construction joints.
- ▶ **May be applied with nails**, no anchoring mesh required.

Idrostop PVC



- ▶ **PVC waterstop** for sealing structural joints.
- ▶ For **waterproofing structural joints** in civil, industrial and hydraulic constructions.

Idrosilex



- ▶ **Waterproofing** for cementitious mortars.
- ▶ For **waterproofing** basements, swimming pools, reservoirs, tunnels, etc.
- ▶ Available in **powder** and **liquid** form.



Mapelastick Foundation



- ▶ **Two-component, flexible cementitious mortar** for waterproofing.
- ▶ For **concrete surfaces** subject to **negative** or **positive hydrostatic pressure**.
- ▶ For **foundation walls, car-parks, environments below ground level, water channels** and **swimming pools**.
- ▶ To be applied by **roller** or **spray**.
- ▶ For **horizontal** and **vertical** surfaces at a **thickness** of at least 2 mm.



Plastimul



- ▶ Solvent-free, **bitumen** waterproofing **emulsion** for general purpose use.
- ▶ For **horizontal** and **vertical** surfaces.
- ▶ For **foundations, retaining walls, layers beneath tiles**, etc.



Plastimul 1K Super Plus



- ▶ **One-component, high flexibility bitumen waterproofing emulsion** containing polystyrene spheres and rubber granules.
- ▶ **Low shrinkage, quick-drying and high-yield and ready-to-use.**
- ▶ **Solvent-free, odourless, ecological, easy to work,** resistant to aggressive substances contained in the ground.
- ▶ For **waterproofing horizontal and vertical** concrete and brickwork **surfaces** subject to high dynamic loads.
- ▶ To be applied by **flat or notched trowel** or by **spray** using a peristaltic pump.



Plastimul 2K Reactive



- ▶ **Two-component, high elasticity bitumen emulsion** for immediate waterproofing.
- ▶ Applied by **spray**.
- ▶ Solvent-free and eco-compatible.
- ▶ For **waterproofing** foundations and retaining walls from the outside and for waterproofing unexposed **horizontal and vertical surfaces** in general.



Planiseal 288



- ▶ **Two component cementitious mortar** for waterproofing internal structures, basins and tanks.
- ▶ Waterproofing of internal structures even with water in counterpressure.
- ▶ To be applied by **brush, roller or trowel**.



Mapethene HT



- ▶ Self-adhesive bituminous membrane for waterproofing structures below ground level.
- ▶ Suitable for application at temperatures up to +45°C.
- ▶ Before applying the product apply a coat of **Mapethene Primer** or **Mapethene Primer W**.



Mapeproof FBT



- ▶ **Synthetic fully-bonded** waterproof sheet membrane, laminated with non-woven fabric for waterproofing underground structures before pouring concrete.
- ▶ For **vertical and horizontal** surfaces.
- ▶ **Cold-applied system;** no heat and/or naked flames.



Mapeproof AL AP



- ▶ Fully bonded **HDPE** membrane for waterproofing **underground structures**.
- ▶ For vertical and horizontal surfaces.
- ▶ **It is cold applied** (no heat and/or naked flames are required).
- ▶ The system is equipped with: **Mapeproof AL Tape D10 AP**, double-sided adhesive tape and **Mapeproof Liquid Membrane**, polyurethane liquid for the right application.



Plastimul 2K Plus



- ▶ **Two-component, fibre-reinforced, high-flexibility bitumen waterproofing emulsion.**
- ▶ **Quick-drying.**
- ▶ **Solvent-free, odourless, ecological.**
- ▶ **Resistant to aggressive substances contained** in the ground.
- ▶ For **waterproofing horizontal and vertical** concrete and brickwork surfaces at low temperatures or high levels of damp and on smooth surfaces.
- ▶ To be applied by **flat or notched trowel** or by **spray** using a peristaltic pump.
- ▶ It may also be used for **spot-bonding insulating panels**



Plastimul 2K Super



- ▶ **Two-component high-flexibility bitumen waterproofing emulsion** containing polystyrene spheres.
- ▶ **Low shrinkage and high yield.**
- ▶ **Solvent-free, odourless, ecological, easy to work.**
- ▶ **Resistant to aggressive substances** contained in the ground.
- ▶ For **waterproofing horizontal and vertical** surfaces at low temperatures or high levels of damp and on smooth surfaces.
- ▶ To be applied by **flat or notched trowel** or by **spray** using a peristaltic pump.

Mapei Waterproofer



- ▶ **Waterproofing agent** for render and normal-setting waterproofing mixes.
- ▶ Waterproofing structures in general installed below ground level.
- ▶ **Resistant to negative hydrostatic pressure.**
- ▶ Easy to use.
- ▶ **Remains stable over the years.**



Mapethene LT



- ▶ Self-adhesive bituminous membrane for waterproofing structures below ground level.
- ▶ Suitable for application at temperatures down to -5°C.
- ▶ Before applying the product apply a coat of **Mapethene Primer** or **Mapethene Primer W**.



Plastimul High Flex Plus



- ▶ **Multi-purpose, ready-to-use,** water-based bituminous waterproofing membrane.
- ▶ For **roofs, foundations, metal surfaces as gutters.**
- ▶ **Highly flexible with excellent crack-bridging properties** and **UV resistant.**
- ▶ Apply two coats with a trowel, roller or by spray.



Mapeproof SA



- ▶ Self-adhesive HDPE membrane to waterproof underground structures in total adhesion;
- ▶ Apply a coat of **Mapeproof SA Primer** before applying **Mapeproof SA**.
- ▶ Forms a highly effective barrier against groundwater, moisture in the ground, radon and methane.



Mapeproof AL 1200 AP



- ▶ HDPE self-adhesive membrane to waterproof underground structures after pouring concrete.
- ▶ Apply a coat of **Mapeproof SA Primer** before applying **Mapeproof AL 1200 AP**.
- ▶ Forms a barrier against radon and meth.



Mapeproof FBH



- ▶ Fully-bonded waterproof HDPE sheet membrane, laminated with non-woven fabric;
- ▶ Waterproofing of underground structures before pouring concrete;
- ▶ Is cold-applied and no heat and/or naked flames are required.

MAPEI products are also:

- based on the innovative R&D labs of MAPEI Group;
- formulated with recycled, ultra-light material;
- developed to reduce energy consumption;
- manufactured locally in eco-sustainable plants.



Fast Track Ready, MAPEI technology identifying products for rapid installation of floor and wall coverings, reducing costs and disturbance.

BATHROOMS, DAMP ENVIRONMENTS, KITCHEN, SWIMMING POOLS, SWIMMING POOLS, BALCONIES and TERRACES

SELECTION CHART

	Horizontal and vertical surfaces	Fillets	Joints	Cross-members	Drains
BATHROOMS and DAMP ENVIRONMENTS					
Mapelastic Zero	•				
Mapelastic Smart	•				
Mapelastic Turbo	•				
Mapelastic AquaDefense	•				
Mapegum WPS	•				
Aquaflex S 1K	•				
Monolastic	•				
Mapeband		•	•	•	
Mapeband Easy		•	•	•	
Mapeband SA		•		•	
Mapeband PE 120		•	•	•	
Drain Lateral					•
Drain Vertical					•
KITCHEN					
Mapegum EPX / Mapegum EPX-T	•				
SWIMMING POOLS					
Mapelastic Zero	•				
Mapelastic Foundation	•				
Mapelastic Smart	•				
Planiseal 288	•				
Mapeproof Swell				•	
Mapeband		•	•		
Mapeband Easy		•	•		
Mapeband TPE			•		
Mapenet 150	•				
Mapetex Sel N	•				
Drain Vertical					•
BALCONIES, TERRACES and FLAT ROOFS					
Aquaflex Roof*	•				
Aquaflex Roof HR*	•				
Aquaflex Roof Plus*	•				
Plastimul High Flex Plus	•				
Mapelastic Zero	•				
Mapelastic Smart	•				
Mapelastic Turbo	•				
Mapelastic AquaDefense	•				
Aquaflex S 1K	•				
Monolastic	•				
Mapenet 150	•				
Mapetex Sel N	•				
Mapetex 50	•				
Mapetex FG	•				
Mapeband		•	•		
Mapeband Easy		•	•		
Mapeband SA		•			
Mapeband TPE			•		
Drain Vertical / Drain Lateral					•
Drain Front					•
Mapeslope	•				
Purtop Easy*	•				
Purtop Easy T*	•				
Purtop ADY	•				

* Waterproofing layers on exposed external surfaces

UNDERGROUND STRUCTURES

SELECTION CHART

	Slab	Post-cast walls	Pre-cast walls	Reinforced concrete walls with negative pressure	Brick walls with negative pressure	Lift shaft	Pile heads	Structural joint	Construction joint	Through bodies
UNDERGROUND STRUCTURES										
Mapeproof	•	•	•			•	•			
Mapeproof Swell				•		•	•			•
Mapeproof FBT	•		•			•				
Mapeproof FBH	•		•			•				
Idrostop						•			•	•
Idrostop B25						•	•		•	•
Idrostop Soft						•	•		•	•
Mapeband TPE								•		
Idrostop PVC								•		
Idrosilex						•				
Planiseal 88 (former Idrosilex Pronto)		•		•	•	•				
Mapelastic Foundation		•		•	•	•				
Lamposilex				•		•			•	•
Plastimul		•								
Plastimul 1K Super Plus		•								
Plastimul 2K Plus		•								
Plastimul 2K Super		•								
Plastimul 2K Reactive		•								
Planiseal 288		•		•	•	•				
Mapei Waterproofer				•	•	•				
Mapethene HT		•								
Mapethene LT		•								
Plastimul High Flex Plus	•	•								
Mapeproof AL AP	•		•			•				
Mapeproof SA		•								
Mapeproof AL 1200 AP		•								

- After preparing the substrate by carrying out the render with **Planitop HDM Maxi**.



CO₂ emissions measured throughout the life cycle of products from the Zero line in 2023 using Life Cycle Assessment (LCA) methodology, verified and certified with EPDs, have been offset through the acquisition of certified carbon credits in support of renewable energy and forestry protection projects. A commitment to the planet, to people and to biodiversity.

For more details on how emissions are calculated and on climate mitigation projects financed through certified carbon credits, visit the webpage zero.mapei.com.

EVERYTHING'S OK, WITH MAPEI

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