SELECTION CHART OF WATERPROOFING PRODUCTS
BATHROOMS, DAMP AREAS, SWIMMING POOLS, INDUSTRIAL KITCHENS, BALCONIES, TERRACES and FLAT ROOFS

Toilets, 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 offer their customers different systems for specific problems and always has the right product with suitable accessories to solve these problems.
**Mapelastic 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
- Class III membrane according to AS4658:2004 Wet Area Membranes

**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 (1 mm each)
- For thin thicknesses (ca. 1 mm max. per coat)

**Mapelastic Smart**
- Two-component, high-flexibility cementitious mortar
- For protection and waterproofing
- Used in conjunction with Mapenet 150, Mapeband SA or Mapetex Sel
- Mapelastic Smart may be also used on surfaces particularly stressed or crazed and helps to improve both elongation at break and crack bridging
- Certified for use with Potable Water according to AS/NZS 4020:2005
- Meets AS/NZS 4858.2004 Class II Wet Area Membrane - CSIRO Test Report No 7816
- Meets the requirements of AS 4654.1:2012, non-exposed waterproofing membrane - Test Report No. 7816.1

**Mapeland**
- 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
- Adesilex LP is particularly recommended for joining Mapeland

**Mapeland TPE**
- TPE tape for flexible sealing and waterproofing structural joints subject to movements up to 5 or 10 mm
- For expansion joints in road-works, water tunnels and covering applications
- Adesilex LP is particularly recommended for joining Mapeland TPE

**Mapeland PE 120**
- PVC tape for waterproofing systems formed using liquid membrane, not cementitious.
- Flexible waterproofing seal of edges, expansion joints, pipes and drains.

**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
**Mapelastic Smart**
- Two-component, high-flexibility cementitious mortar
- For protection and waterproofing
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**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

**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
- Adesilex LP is particularly recommended for joining Mapeband

**Mapetex Sel**
- Non-woven, macro-holed polypropylene fabric
- Waterproofing, with synthetic polypropylene fibres
- For reinforcing waterproofing membranes

**Mapeband TPE**
- TPE tape for flexible sealing and waterproofing structural joints subject to movements up to 5 or 10 mm
- For expansion joints in road-works, water tunnels and covering applications
- Adesilex LP is particularly recommended for joining Mapeband TPE

**Mapenet 150**
- Alkali-resistant glass fibre mesh
- For reinforcing protective waterproofing layers
- Anti-fracture membranes and thermal insulation systems
This system makes it possible to obtain **GREEN STAR™** credits.

**WATERPROOFING SYSTEM FOR THE INSTALLATION OF GLASS MOSAICS IN SWIMMING POOLS**

1. Reinforced cement structure
2. Smoothing compound
   - Planitop Smooth and Repair R4
3. Cementitious waterproofer
   - Mapelastic Smart
4. Polypropylene Fabric
   - Mapetex Sel
5. Cementitious waterproofer
   - Mapelastic Smart
6. Monolithic sealing of the coving to the substrate
   - Eporip + Mapegrout T40
7. Adhesive
   - Kerabond Plus + Isolastic 50
8. Glass mosaics
9. Grout
   - Kerapoxy Design
10. Sealant
    - Mapesil AC
11. Floor
    - Planitop Smooth and Repair R4 or Topcem Pronto bonded

**Diagram Elements:**
- 2 - 11
- 3 - 5
- 4
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- 9
- 10
- 11

**Image Description:**
- Reinforced cement structure
- Smoothing compound
- Polypropylene Fabric
- Cementitious waterproofer
- Monolithic sealing of the coving to the substrate
- Adhesive
- Glass mosaics
- Sealant
- Floor
WATERPROOFING SYSTEM FOR THE RAPID INSTALLATION OF CERAMIC TILES ON BALCONIES

Planicrete SP Mapecem Mapeband Mapeflex PU45 Granirapid Mapesil AC Ultracolor PlusMapelastic AquaDefense

Granirapid or Keraquick S1

1. Planicrete SP
2. Mapecem
3. Mapeband
4. Mapelast PU45
5. Mapelastic AquaDefense
6. Granirapid or Keraquick S1
7. Mapesil AC
8. Ultracolor Plus

bending slurry
screed
rubber tape
sealant & adhesive
waterproofer (2 coats)
sealant
gROUT

04
**Mapelastic Smart**

- Two-component, high-flexibility cementitious mortar
- For protection and waterproofing
- Used in conjunction with Mapeband 150, Mapeband SA or Mapetex Sel
- Mapelastic Smart may be also used on surfaces particularly stressed or crazed and helps to improve both elongation at break and crack bridging
- Certified for use with Potable Water according to AS/NZS 4020:2005
- Meets AS/NZS 4858:2004 Class II Wet Area Membrane - CSIRO Test Report No 7816
- Meets the requirements of AS 4654.1.2012, non-exposed waterproofing membrane - Test Report No. 7816.1

**Aquaflex Roof Grey**

- 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 original packaging
- For continuous waterproofing

**Mapetex Sel**

- Non-woven, macro-holed polypropylene fabric
- Waterproofing, with synthetic polypropylene fibres
- For reinforcing waterproofing membranes

**Mapeband TPE**

- TPE tape for flexible sealing and waterproofing structural joints subject to movements up to 5 or 10 mm
- For expansion joints in road-works, water tunnels and covering applications
- Adesilex LP is particularly recommended for joining Mapeband TPE

**Mapelastic 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
- Class III membrane according to AS4858:2004 Wet Area Membranes

**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-for-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

**Mapenet 150**

- Alkali-resistant glass fibre mesh
- For reinforcing protective waterproofing layers
- Anti-fracture membranes and thermal insulation systems

**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

**Mapelastic Smart**

- Mapeband TPE for flexible sealing and waterproofing structural joints subject to movements up to 5 or 10 mm
- For expansion joints in road-works, water tunnels and covering applications
- Adesilex LP is particularly recommended for joining Mapeband TPE

05
Underground structures level: the parts 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 array of repair and protection solutions which guarantee an efficient solution for any construction element.
UNDERGROUND STRUCTURES

**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

**Mapeband TPE**
- TPE tape for flexible TPE sealing and waterproofing structural joints subject to movements up to 5 or 10 mm
- For expansion joints in road-works, water tunnels and covering applications
- Adesilex LP is particularly recommended for joining Mapeband TPE

**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

**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

**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

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

**Mapeproof Swell**
- Hydro-expansive, rubber-based hydrophilic sealant paste in tubes, applied using an extrusion pistol.
**BATHROOMS, DAMP ENVIRONMENTS, SWIMMING POOLS, BALCONIES and TERRACES SELECTION CHART**

<table>
<thead>
<tr>
<th></th>
<th>Horizontal and vertical surfaces</th>
<th>Fillets</th>
<th>Joints</th>
<th>Cross-members</th>
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* WaterProofing layers on exposed external surfaces
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<tr>
<th>UNDERGROUND STRUCTURES</th>
<th>Post-cast walls</th>
<th>Reinforced concrete walls with negative lift</th>
<th>Brick walls with negative lift</th>
<th>Lift shaft</th>
<th>Structural joint</th>
<th>Construction joint</th>
<th>Through bodies</th>
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Technical documentation

From the technical area menu you can view the technical documentation divided per product lines and type of document.

MAPEI AUSTRALIA
180 Viking Drive
Wacol Qld 4076
Phone: 07 3276 5000
Fax: 07 3276 5076
Email: sales@mapei.com.au
Web: www.mapei.com.au

MAPEI NEW ZEALAND
30 Fisher Crescent
Mt Wellington Auckland New Zealand
Phone: +64 9 921 1994
Fax: +64 9 921 1993
Email: enquiries@mapei.co.nz
Web: www.mapei.co.nz