

Repair System for Underground Structures

WATERPROOFING PRODUCTS



REPAIR SYSTEM FOR UNDERGROUND STRUCTURES



GRAVEL
CLUSTERS AND
PLASTIC
SPACERS

CONSTRUCTION
JOINTS



UNDERGROUND STRUCTURES

CONSTRUCTION
JOINTS, GRAVEL
CLUSTERS
AND METAL
SPACERS

THROUGH
PIPEWORK



REPAIR SYSTEM FOR UNDERGROUND STRUCTURES

PRODUCTS



Lamposilex

Ultra rapid-setting and hardening hydraulic binder for stopping water leaks

ADVANTAGES

- Ultra-rapid setting;
- High mechanical strength;
- Waterproof and water-repellent

Mapeproof Swell

Water swelling sealant for sealing penetrating elements and construction joints

ADVANTAGES

- Moisture-expanding sealant;
- Suitable for damp substrates;
- Waterproof and water-repellent



Idrostop Soft

Highly flexible, hydro-expansive bentonite jointing strip in natural sodium bentonite and butyl rubber

ADVANTAGES

- Simple quick application;
- Perfect adhesion to concrete structures using **ULTRABOND MS RAPID**;
- Flexible;
- High moisture-expanding rate





Mapeproof Mastic

Bentonite grout made from natural sodium bentonite and plasticising admixtures

ADVANTAGES

- Ready to use;
- Simple to use;
- Rapid application

Mapelastic Foundation

Two-component elastic cementitious mortar for waterproofing concrete surfaces subject to both positive and negative water pressure

ADVANTAGES

- Simple quick application;
- Improved adhesion to structures using **PRIMER 3296**;
- Resistant to positive and negative hydrostatic pressure;
- No reinforcement required



Mapeproof

Waterproofing bentonite sheet for vertical and horizontal surfaces on underground structures

ADVANTAGES

- Simple application;
- Perfect adhesion to concrete structures;
- Self-sealing



APPLICATION METHOD



PROCEDURE

1. Remove concrete down to a depth of 8 cm from around detective joints, penetration, gravel clusters and cracks;
2. If water seeps through constantly, seal it off with **LAMPOSILEX**;
3. Seal the edge of the **LAMPOSILEX** with **MAPEPROOF SWELL** and then repair the concrete previously removed with a suitable product from the **MAPEGROUT** range;
4. Waterproof the areas using **MAPELASTIC FOUNDATION** after applying a coat of **PRIMER 3296** on the vertical and horizontal surfaces;
5. As an alternative to **MAPELASTIC FOUNDATION**, and if there is enough space to install a new floor slab, waterproof the horizontal surfaces with **MAPEPROOF** making sure the fillets between the **MAPELASTIC FOUNDATION** applied on the walls are sealed with **MAPEPROOF MASTIC** and **IDROSTOP SOFT**;
6. Position the connectors used to anchor the new structures to the existing ones. Anchor them in place with **MAPEFIX VE SF** and seal them with **MAPEPROOF MASTIC** where they penetrate the bentonite sheet and with **MAPEPROOF SWELL** where the cementitious waterproofing product is penetrated;
7. Place the rebar for the new concrete slab in position;
8. When the new structure is fully cured the render may be applied. To guarantee maximum comfort in the buildings we recommend using products from the **MAPE-ANTIQUE** or **POROMAP** lines and to finish them off with products from the **SILANCOLOR** or **SILEXCOLOR** range.



● Technical documentation

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

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