## Repair System for Underground Structures

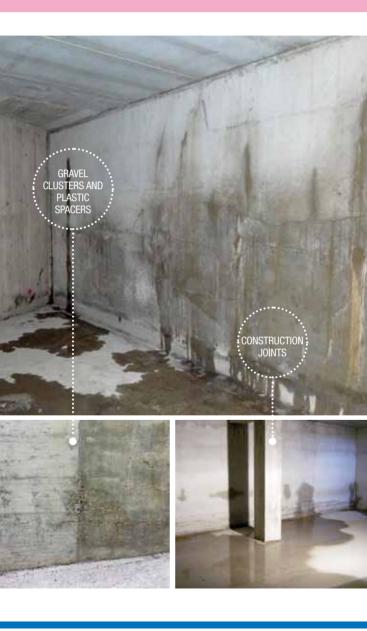
**WATERPROOFING PRODUCTS** 







# REPAIR SYSTEM FOR UNDERGROUND STRUCTURES







## 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 guick 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**

- Remove concrete down to a depth of 8 cm from around detective joints, penetration, gravel clusters and cracks;
- If water seeps through constantly, seal it off with LAMPOSILEX:
- Seal the edge of the LAMPOSILEX with MAPEPROOF SWELL and then repair the concrete previously removed with a suitable product from the MAPEGROUT range;
- 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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