

MAGISEAL®

Waterproof coating water pressure resistant for internal and external structures

DESCRIPTION

Fine, highly-impermeable, cementitious coating suitable for the protection of cementitious structures subject to counter-thrust of water and/or used to contain water or aqueous solutions with moderate pH levels.

USES

The high degree of resistance to the counter-thrust of water makes this the ideal product for impermeabilizing structures in concrete and/or plaster subject to counter-thrust such as cellars, bank vaults, elevator wells, underground structures etc..

MAGISEAL is suitable for application in tanks and canals or similar structures which contain water (also with moderate pH) and can be used in reservoirs for drinking water, aqueducts and cisterns etc.

ADVANTAGES

- Simply and easy to use.
- Fills and seals porosity in concrete structures and plaster, while allowing the surfaces to traspire.
- The degrees of mechanical resistance reached by the coating after seasoning are very high.
- Very high durability of the cementitious coating.

TECHNICAL DATA

- Sp. gr. of mixed mortar:	1.50 g/cm ³
- Permeability to vapour (DIN 56215)	> = 200
- Resistance to water thrust (Darcy) no permeation found at:	0.4 MPa
- Resistance to freeze/thaw cycles and salt.	
- Resistance to tear in sample submitted test:	> = 2.5 MPa
- Compression modules:	> = 30000 MPa
- Resistance to compression	32 MPa at 7d 45 MPa at 28 d

INSTRUCTIONS FOR USE

The surface to be covered must be thoroughly cleaned and any dust, loose material, grease or oil etc must be removed before applying.

Any spacing bars and internal, non-structural reinforcement material must be cut to a depth of 1.5 - 2.0 cm and sealed with MAGIPLUG.

At the connection point between walls and flooring, create a wall-floor joint, using MAGIPLUG with catheti measuring 2 x 2 cm minimum.

Restore any missing parts with ARMOCRETE or MAGIPLUG in the case of water leaks and seepage, and thoroughly hydrate the cementitious support.

Use a suitable container to mix 2 kg of MAGICOL resin and 4 - 5 litres of water. When thoroughly mixed, add to this solution 25 kg of MAGISEAL powder and mix the paste with a drill fitted with a blade-type stirrer attachment.

Leave the resulting slurry to rest for a few minutes and then apply the product with a 15 cm masonry brush with natural tampico fibres. Take abundant quantities with the brush and apply a fairly thick coat. About 6 hours after the first coat, humidify and apply a second coat.

MAGISEAL can be applied to surfaces in particular cases also with long brushes (25 cm) or applied with special plaster sprayers and then passed over with a plastic trowel. To avoid the risk of sagging or yielding of MAGISEAL during filling in the case of internal coatings of above-ground tanks the walls should be reinforced with glass-fibre or plastic mesh.

In brickwork structures the surface must be made uniform prior to application with a cementitious rough coating containing MAGICOL.

YIELD

The quantity of product consumed depends on the roughness of the surfaces to be covered.
Normally: 1.5 - 2 kg/m².

COLOUR

Cement grey, white powder.

PACKING

25 Kg bags.

CAUTION

Do not apply this product on frozen surfaces or when the ambient temperature falls below 5°C. On cold days work in direct sunlight and do not apply the product during the late afternoon or when the temperature is expected to fall below 5°C during the 24 hours following application.

This product should not be applied in very windy weather or in very strong sunlight during summer months. Do not apply on traffic-bearing surfaces. Wait at least 6 hours before applying the second coat. In any case do not begin to apply the second coat if the first has not yet dried. Do not apply over Plaster of Paris or lime plaster.

STORAGE

Shelf-life of 12 months when stored in the original sealed packaging in dry place.