



Low thickness osmotic waterproofing grout

DESCRIPTION

Osmotic waterproofing product based on cements, selected inert materials and specific additives, for water containment in the case of both positive and negative thrust. Suitable for waterproofing low-thickness concrete substrates such as lift shafts, swimming pools, and cellars. First coat applied with a smooth steel spatula and subsequent cross coats by brush. For indoor and outdoor use.

MAIN PROPERTIES

- Waterproofing for concrete;
- Resistance to counterthrust: 2 bar;
- Hydraulic pressure resistance: 2 bar

TECHNICAL DATA

Classification (UNI 8681 / UNI 8682)	Topcoat mortar for waterproofing underground rooms, garages, elevator pits and for waterproofing structures designed to contain water such as pipes, ducts, swimming pools, tanks.
Granulometry (EN 13300 / EN 1062)	0.4mm
Reaction to fire (EN 13501-1)	Class F
Vapour permeability (class V) (EN 1062)	Class I, (>150 g/(m ² ·d))
Water absorption (class W) (EN 1062)	Class W2, < 0.1 Kg/m ² h ^{0.5}
Adhesion on concrete (EN 1542)	≥ 1 N/mm ²
Carbon dioxide permeability (EN 1062)	> 50 m
Bulk volume in paste	2100 ± 50 g/l
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Type of binder	Cement-based (UNI 8681: TA)
Solid content	100%
Mixing Ratio	24-26% with water; 6-6.5 Litres per 25Kg package
Maximum application thickness	5mm in two coats
Drying time	24-48 hours between coats. At least 10 days before covering. Drying time depends greatly on environmental conditions. The item can be placed in operation after at least 2 weeks.

CHARACTERISTICS

Pot-life of mixture	About 1 hour
Coverage	1.7 kg/m ² per mm of thickness
Overpaintable	Compatibility with other products: compatible with all water-based products
Colour range	Grey
Dilution	water

APPLICATION

Notes:
Do not apply on surfaces that are in direct sunlight, frozen or very hot. Do not apply when it is very windy or when there is fog

or rain. The conditions must last at least 2 days after application.

Suitable Substrates:

Concrete, plastered masonry

Ambient Conditions:

min +5°C max +35°C

Preparation of the Substrate:

The substrates must be clean, continuous and thoroughly wetted until they can absorb no more.

Therefore the laying surface must be perfectly cleaned, removing any loose parts and washing any oily residues away with a pressure washer. Areas of concrete that are uneven or degraded and which have exposed steel bars, anchors, crawl spaces and joints must be repaired with Towerip anti-shrinkage cement mortar.

Let set for at least 2-3 days before applying TOWERSEAL.

Type of Equipment:

large brush, scrub brush, mechanical plastering machine

Application Procedure:

Wet all surfaces thoroughly with clean water until it can absorb no more. Mix TOWERSEAL with 6-6.5 litres of clean water per 25 kg bag, until a fluid grout is obtained. Let the mixture stand for about 5 min and then re-mix. Apply the mixture with a large brush brush or a scrub brush, in 2/3 coats, being careful to wait only the setting time between the various coats. It can also be applied in a single pass with a spraying machine and then smoothed with a scrub brush. Do not apply when in direct sunlight, on hot surfaces, on frozen substrates or when freezing temperatures are expected within the following 24 hours.

Protect from the rain for the first 6 hours.

Ensure ventilation to prevent condensation

STORAGE

Disposal and safety indications:

Dispose of in accordance with local regulations.

For information on possible hazards, refer to the safety data sheet

Packaging:

25kg bags

Storage:

1 year on a pallet and when stored in a dry place in undamaged packages at between 5 and 30°C.

TECHNOLOGIES/CERTIFICATIO

