



TEKWATER REPELLENT

Concentrated silicone water repellent



DESCRIPTIONSATION

TEKWATER REPELLENT is a new concentrated silicone water repellent consisting of a solution of oligomers specifically formulated for hydrophobization, anti-saline efflorescence treatment and consolidation of poorly absorbent and highly alkaline mineral building materials such as:

- Artifacts in baked clay
- Tiles
- Bricks
- Terracotta vases
- Flour mortars and cement plasters
- Foam cement
- Concrete
- Chalk
- Natural and synthetic stones
- Cement products
- Mineral materials for thermal insulation
- Mineral paints

GENERAL CHARACTERISTICS

TEKWATER REPELLENT is particularly suitable for the construction of chemical barriers against capillary ascent in masonry also marked and chalking where, thanks to the particular and unique composition, it gives excellent water repellency and good consolidation with a better reaction speed compared to competing water-based systems.

IMP FIELDSIEGO

TEKWATER REPELLENT is produced in concentrated form and must therefore be diluted before use. For dilution, the use of clean, softened, distilled or demineralized water is suggested. Diluted solutions are stable for at least 12 months if protected from contact with air in hermetically sealed containers.

CHEMICAL-PHYSICAL CHARACTERISTICS

Colorless	liquid appearance
Dry content	48 + 3%
	Water solvent

Voczero
pH > 13

APPLICATION

TEKWATER REPELLENT can be applied, after dilution, to clean absorbent mineral supports for low pressure spraying, roller, brush or total immersion.

For the treatment of raw ceramic materials such as tiles, bricks, flowering pots, dilutions from 1:10 to 1:100 parts by weight are recommended.



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The exact dilution shall be determined by experimental tests.

For the waterproofing of cementitious or plaster plasters, cellular concrete, natural or synthetic stones, the recommended dilutions are 1:10 – 1:30 parts by weight.

The water-repellent TEKWATER REPELLENT can also be used as a water-repellent or alkalinizing additive to mineral paints, the recommended amount is between 0.2 and 5 kg per 100 kg of paint.

For use in chemical barrier it is advisable to use the product diluted in drinking water with a concentration between 5 – 15% by weight depending on the type of product and its water absorption.

PRECAUTIONS FOR USE

As a cortical water repellent, apply the water-repellent TEKWATER REPELLENT only on clean, dry and absorbent mineral supports not affected by capillary upwelling. It is advisable to protect the artifacts, freshly treated, from rain until complete development of water repellency.

In the case of use of heat-shrinkable polythene film for the protection of pallets, containing materials treated with TEKWATER REPELLENT, make sure of the presence of ventilation holes to allow the treated material the total development of water repellency and complete drying. However, it is advisable to perform preliminary tests on the material to be treated to verify the optimal operating conditions and the correct dilutions of use of the TEKWATER REPELLENT water-repellent.

SAFETY RULES

Due to the high alkalinity of TEKWATER REPELLENT it is essential to handle the product with care, using glasses, protective mask and gloves and waterproof suits.

In case of contact with eyes and skin, wash immediately with plenty of running water and contact your doctor.

In case of ingestion do not cause vomiting and consult your doctor or the poison center of the Niguarda hospital in Milan (tel. 02/66101029)

STORAGE

TEKWATER REPELLENT can be stored in original hermetically sealing containers for at least 12 months.

Do not store the product at temperatures below +5°C or above +35°C.

PACKS

- 25 kg tank
- 250 kg barrel
- 1250kg tank

WARNINGS

Under normal conditions of use, the product is not harmful to its handlers. During application do not eat, do not drink and do not smoke, use protective clothing such as gloves, goggles and mask.



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