

MARISEAL® 800 AQUA CONC.

TECHNICAL DATA SHEET

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Siloxane/Silane Water Repellent

Product description

The MARISEAL® 800 AQUA CONC. is a transparent, deep penetrating, non-staining, non-yellowing, non film-making, one component siloxane/silane **nanotechnology-based** water repellent, used as a highly effective and long-lasting water repellent and chloride screen. Water based. Cures by reaction with ground and air moisture.

Advantages

- Simple application (spray, roller or brush).
- Gives the surface a constant hydrophobic effect, without changing the color or the appearance of the surface.
- Water based, without volatile organic solvents
- Supplied in concentrated form in order to be diluted on site and save transport cost and surcharges
- Deep penetrating.
- Helps stop the intrusion of water and waterborne chloride ion migration through concrete and masonry materials so reduces surface corrosion.
- Allows the surface to breathe.
- Excellent alkaline resistance.

Uses

The MARISEAL® 800 AQUA CONC. is used as a highly effective Water Repellent on:

- Natural Stones
- Marble
- Decorative Bricks
- Limestone
- Colored Concrete

Consumption

200-300 gr/m² , diluted, in one layer (flood coat). This coverage is based on practical application by roller onto a smooth absorbent surface in optimum conditions. Factors like surface porosity, temperature, humidity, application method and finish required can alter consumption.

Colors

The MARISEAL® 800 AQUA CONC. is supplied transparent

Technical Data *

PROPERTY	RESULTS	TEST METHOD
Composition	Siloxane/Silane Resin, water based	
Resistance to Water Pressure	No Leak (1m water column, 24h)	DIN 1928, Test A
Tack Free Time	1-2 hours	Conditions: 20°C, 50% RH
Light Pedestrian Traffic Time	18-24 hours	
Final Curing time	14 days	



Application

Surface Preparation

Careful surface preparation is essential for optimum finish and durability.

The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the sealer. Maximum moisture content should not exceed 5%. Dirt, fats, oils, organic substances and dust need to be removed by mechanical grinding. Any loose surface pieces and dust need to be thoroughly removed.

WARNING: Do not wash surface with water!

Sealing

For best results, the temperature during application and cure should be between 5°C and 35°C. Low temperatures retard cure while high temperature speed up curing. High humidity may affect the final finish.

Dilution

Dilute the MARISEAL- 800 AQUA CONC. on site with fresh, clean water **in a ratio of 1:3 by weight**, prior to application.

Apply by using roller, brush or airless spray gun. Apply a flood coat to ensure the deep penetrating and the full saturation, which is needed for effective water repellence. Fully saturate all mortar joints.

If necessary apply another layer before the first layer has dried (wet-in-wet application).

RECOMMENDATION: For surfaces with frequent contact with water and especially on floor surfaces, we recommend applying two layers of the MARISEAL- 800 AQUA CONC, wet-in-wet.

ATTENTION: The full effect of the MARISEAL® 800 AQUA CONC. is achieved after 14 days from application!

Packaging

MARISEAL- 800 AQUA CONC. is supplied in 20 kg, 10 kg, 4 kg and 1kg pails. Pails should be stored in dry and cool rooms for up to 12 months. Protect the material against moisture and direct sunlight. Storage temperature: 5°-30°C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

Safety measures

See information supplied by the manufacturer. Please study the Safety Data sheet. PROFESSIONAL USE ONLY.

Our technical advice for use, whether verbal, written or in tests, is given in good faith and reflect the current level of knowledge and experience with our products. When using our products, a detailed object-related and qualified inspection is required in each individual case in order to determine whether the product and /or application technology in question meets the specific requirements and purposes. We are liable only for our products being free from faults; correct application of our products therefore falls entirely within your scope of liability and responsibility. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. Values in this technical data sheet are given as examples and may not be regarded as specifications. For product specifications contact our R+D department. The new edition of the technical data sheet supersedes the previous technical information and renders it invalid. It is therefore necessary that you always have to hand the current code of practice.

* All values represent typical values and are not part of the product specification.