

Contite® Watershield

SILANE - SILOXANE WATERBASED HYDROPHOBIC WATER REPELLENT SEALER

DESCRIPTION

Contite Watershield is non flammable water repellent sealer specifically formulated for the protection of a wide variety of surfaces. It will penetrate into masonry, concrete, porous tiles and grout and bond chemically to the surface rendering it hydrophobic. When cured it does not alter the appearance of surface and being non-film forming it will allow the substrate to “breathe”.

USES & ADVANTAGES

Uses include to protect concrete structures such as above grade tanks, reservoirs, columns, bridges, building facades, both old and new and other structures. Suitable for all tiles including ceramic, marble, slate and terracotta.

Use to increase water repellency in bricks, for increased durability of concrete paths, drives, and facades to reduce weathering on natural stone, to seal decorative tiles against moisture. For application in special conditions, consult the manufacturer for detailed information.

Advantages Include:-

- Non film forming and not affected by UV radiation.
- Preventing spalling resulting from rebar attack.
- Easy to apply & ready to use.
- No costly removal of tiles or renders to re-waterproof walls.
- Good depth of penetration.
- Treated surfaces are hydrophobic and retain their original appearance.
- Water based and environmentally friendly.
- No fire hazard during application.
- Long term effectiveness over 5-10 years.
- Minimises efflorescence.
- Keeps substrate clean longer and makes cleaning easier.

Performance of Contite Watershield on:

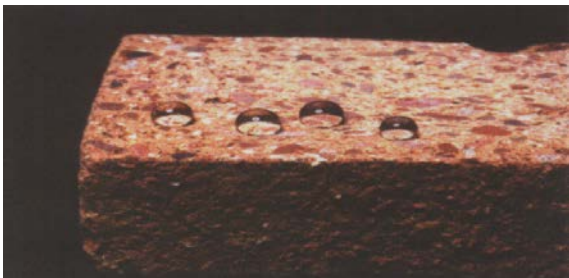
Various Substrates	%	Water Exclusion
Sandstone		80%+
Limestone		70%+
Concrete Block		76%+

24 hour immersions compared to untreated sample.

Performance on Cement Cube:

2" x 2"	1	3	7	14	28	days
Cement Cube	99.5	91.0	87.0	84.0	80.5	%

Compared against untreated cube full immersion.



Brick protected with **Contite Watershield**

SURFACE PREPARATION

Before using **Contite Watershield** it is important to ensure that the surface to which it is to be applied is clean and free from dust and loose material. All contaminants such as oil, grease or any surface contamination must be removed to ensure adequate penetration when the product is applied.

Remove any silicone sealant strips and clean mould off tiles and grout using bleach. Previously painted surfaces must have all of the existing coating removed to allow penetration into the tiles and grout.

Where surfaces have been water blasted or washed down to remove contamination they must be allowed to dry out completely before application is commenced otherwise impregnation will not occur. Cracked or damaged areas must be repaired and sealed prior to application of materials.

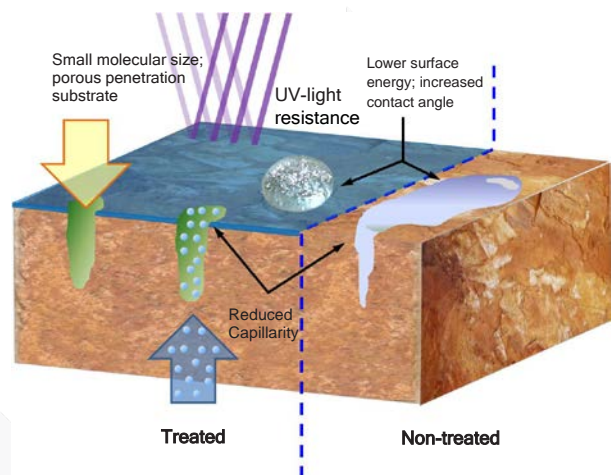
APPLICATION

Always pre test surface to ensure no white precipitate is apparent, allow surface to dry for 24 hours. Start at top & work down keeping a wet edge at all times.

Contite Watershield can be applied by dipping, spraying or brushing. On tiles begin at the top of the wall and brush liberally over tiles and grouting. Finish with the base. Work well into edges. Use a soft, dry cloth to remove any excess solution left on the surface or the tiles. A second coat may be applied immediately (wet on wet). Allow to dry for at least 24 hours, before subjecting the surface to water.

It is advisable to protect in the bathrooms the shower screen, glass and any painted areas against splashes. Splashes can cause wetting and cleaning problems. If splashed, clean with water immediately.

Contite Watershield is not recommended for surfaces subjected to hydrostatic pressure.



Most siloxanes, especially silanes, have very small molecules, and when applied to the surface of a suitable substrate penetrate deeply. They react with the substrate and themselves to provide durability. When cured, they allow water vapor transmission while preventing liquid water, which could contain dissolved chloride ions or acids, to pass into the substrate.

Contite® Watershield

SILANE - SILOXANE WATERBASED HYDROPHOBIC WATER REPELLENT SEALER

COVERAGE RATES

When applied by brush or roller the coverage rate is approx. 0.15-0.20 litre per m²/coat. Allowance should be made for substrate porosity and wastage.

PACKAGING

25 litre containers.

STORAGE & SHELF LIFE

When stored in original airtight containers at or below 25°C **Contite Watershield** has a shelf life of 6 months.

HEALTH & SAFETY

Contite Watershield is an alkaline material. In enclosed areas provide ventilation. If on skin wash immediately, if in eyes flush immediately with water for at least 15 minutes & obtain prompt medical attention.

TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE

ISO 9001 : 2008 verified by TUV Nord.

CONTACT DETAILS

Cormix International Limited

89 Romklao Rd., Sansab, Minburi, Bangkok 10510

Tel. (66 2) 917 3955-8, 543 8890

Fax. (66 2) 917 3959, 543 8891

<http://www.cormix.com>

E-mail : info@cormix.com