

SILANE - SILOXANE SOLVENT BASED HYDROPHOBIC WATER REPELLENT FOR CONCRETE AND MASONRY

DESCRIPTION

Contite 40 is a clear silane based water repellent sealer which upon application will penetrate into the substrate for long-term protection and provide water repellency by chemically reacting with the substrate. It has a micro particle size to achieve deep penetration inhibiting water absorption into the substrate. When cured it does not alter the appearance of surfaces and being non-film forming will allow the substrate to breathe. It may be used on old or new structures.

USES & ADVANTAGES

Uses include preventing water damage in buildings, parking decks, garages, bridge and coastal structures, including exposed reinforced concrete to attack by chloride ions and water intrusion.

Advantages include:

- Non film forming.
- Reduces water and chloride intrusion.
- Non staining.
- Ready to use & easy to apply.
- Chemically resistant to fuels, atmospheric contaminants & oils .
- Suitable for many substrates.
- Allows water vapour to escape from structure.
- Significantly reduces absorption of water whilst allowing the substrate to breathe.
- Helps to prevent efflorescence
- Seals hairline crack upto 0.3 mm.
- UV stable to increase treatment life.
- Very good penetration.

PROPERTIES

Appearance:	Clear liquid
Specific Gravity: (kg/L)	0.85-0.89
Average Depth of Penetration:	2-5 mm. depending on porosity



Concrete protected with **Contite 40**

SURFACE PREPARATION

Before using **Contite 40**, it is important to ensure that the substrate to be treated must be clean surface-dry 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.

Previously painted surfaces must have all of the existing coating removed to allow penetration into the surface. 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

Contite 40 should be applied in 2 flood coats (wet on wet) at an application rate of 0.2 litres/m² per coat. It may be applied by roller, brush or portable knapsack spray. Do not contaminate with water. Before application, the substrate should be dry in order to achieve maximum penetration.

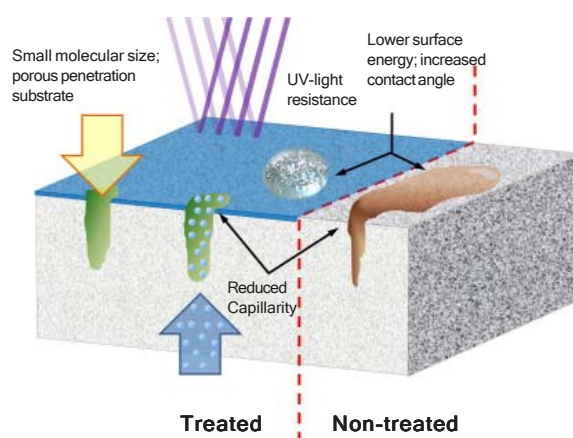
All equipment and containers must be clean and dry. After use they can be cleaned with any organic solvent alcohol or thinners.

PACKAGING

4 & 18 litre containers.

STORAGE & SHELF LIFE

When stored in original air tight containers at or below 25°C. **Contite 40** has a shelf-life of 12 months.



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.

SILANE - SILOXANE SOLVENT BASED HYDROPHOBIC WATER REPELLENT FOR CONCRETE AND MASONRY

HEALTH & SAFETY

Note: Care should be taken not to use **Contite 40** in enclosed spaces without ensuring adequate ventilation. This material is flammable.

Do not smoke or allow use of naked flames when product is in use or drying.

Contite 40 is not recommended for surfaces subjected to hydrostatic pressure.

Caution: Do not allow water to contaminate equipment or material. Do not apply if temperature is below 5°C or over 35°C.

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

Regional Office,

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



NOTE : Every reasonable precaution is taken in the manufacture of all CORMIX-products to ensure that they comply with CORMIX's high standard of quality. The recommendations and properties of the product are based upon what is believed to be the most reliable information available, and are not intended as recommendations which infringe on other patents. Although all CORMIX-products are subject to rigid quality tests, no specific guarantee can be given, because results depend, not only on quality, but also on other factors beyond our control. We welcome therefore consultation in the event of doubt concerning application, or performance, and point out that oral recommendations, which vary from the instructions contained herein, are not binding without written confirmation by CORMIX. All transactions shall be subject to our terms and conditions of sale-delivery-and-service. This data sheet supersedes the previous one and a reprint may be issued without notice to supersede this edition, as and when deemed necessary. The information given in this leaflet is to the best of our knowledge true and reliable. Field service where provided does not constitute supervisory responsibility. Our guarantee is therefore limited to the quality of materials delivered.