

## 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

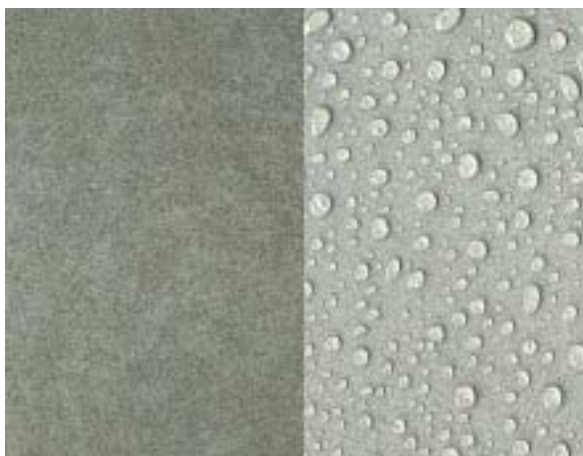
Uses include preventing water damage in buildings, parking decks, garages, bridge and coastal structures, including exposed reinforced concrete to attack by chloride ions and water intrusion.

#### 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

<b>Appearance:</b>	Clear liquid
<b>Specific Gravity:</b> (kg/L)	0.75-0.79
<b>Average Depth of Penetration:</b>	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/m<sup>2</sup> 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.

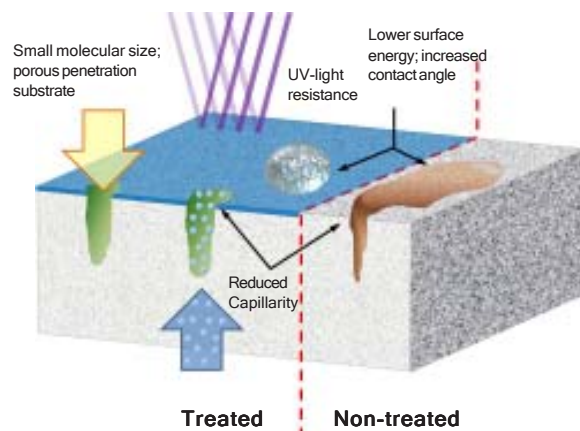
All equipment and containers must be clean and dry. After use they can be cleaned with any organic solvent alcohol or thinners.

### PACKAGING

20 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.*

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### 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

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