

# TOPSEAL W40

## Water Based Silane- Siloxane Water Repellent and Sealer

### Description

**TOPSEAL W40** is a clear, water-based silane/siloxane sealer for protecting a wide variety of vertical and horizontal surfaces. It provides a cost-effective solution for protecting substrates from water and the elements. It penetrates deeply into new or existing concrete or masonry for maximum protection against water penetration, chloride ion attack, freeze/thaw cycles and weathering. The finished application produces a crystal-clear coating which is resistant to ultra violet rays and is specifically designed to protect and preserve all types of concrete and masonry surfaces.

**TOPSEAL W40** is characterized by an excellent ability to penetrate all porous materials used in buildings. It doesn't create a film and therefore it allows the substrates to breath.

### Features & Benefits

- Effective on new and old structures
- Cost effective, Provides durable performance at an affordable cost
- Water based, environment friendly product.
- Easily applied by brush or spray
- Preserves natural color and texture of treated surfaces.
- Excellent water repelling properties
- Colorless and non-staining, Does not alter surface appearance.
- Excellent resistance to weathering.
- Breathable, allows interior moisture to escape.
- Reduces chloride intrusion.
- Reduces efflorescence

### Uses

**TOPSEAL W40** is used as a clear colorless coating, offers an excellent water repellent property to the surface which enhances self-cleaning properties. Ideally suited for the interior and exterior of most buildings including brickwork, cementitious finishes, natural stone and precast elements.

**TOPSEAL W40** is also used to protect concrete, plaster, block walls, against chloride, and aggressive environmental attack. Also, it can be used on the back of Marble, Natural stone before application to protect from changing colors from adhesive.

### Technical Properties

Appearance	Clear Liquid
Density	1,000- 1,050 Kg/m <sup>3</sup>
Moisture- Vapor transmission rate % of untreated substrate	86% @ 25 °C
Water Repellency% (reduction in weight gain) 21days submersion	85% (ASTM C 642)
Water weight gain% (7 days submersion)	2.2% (ASTM C 642)
Time for re-coat	2-3 hours
Drying time before top painting	24 hours
Rapid chloride permeability	Very low
Resistance to water penetration	Excellent

All values are subject to 5-10% tolerance

### Standards Compliance

- ASTM C1202

### Application Procedures

#### Surface preparation:

Surface of the concrete must be clean and dry. Oil stains or grease residue must be removed. All faults must be corrected prior to commencement of the coating work.

New concrete must be cured at least 21 days before applying **TOPSEAL W40**. All concrete curing compounds must be mechanically removed, along with any foreign material.

On old concrete, clean the surface thoroughly. Remove oil stains and grease residues. Any unresolved stains left on the concrete will be visible after the film dries.

Plaster must be through a dry and not simply surface dry. Confirm that the plaster is not wet inside by digging into the plaster with a blade. In good drying conditions leave plaster at least 3 days to dry.

### Mixing Instructions:

**TOPSEAL W40** is ready to use single component product that requires to stir the content of pail before application.

### Application Instructions:

Apply **TOPSEAL W40** by brush, roller or spray machine. It should be applied in two flood coats until the recommended total application rate of 6-8 m<sup>2</sup> per Liter per coat. The time between the two coats is 2-3 hrs at 25 °C.

For capillary rising humidity **TOPSEAL W40** can be simply poured in the previously prepared holes. Fill the injectors and let the product penetrates for at least 24 hours and re-pour the product into the injectors if they become empty.

After the absorption of the product, remove the injectors and close the holes. **TOPSEAL W40** can be also applied with a low-pressure pump.

### Coverage

The coverage of **TOPSEAL W40** depends on the porosity of surfaces but generally, it is approximately 4-5 m<sup>2</sup> per Lt. depending on surface texture and porosity.

Normally two coats are recommended

### Packaging

**TOPSEAL W40** is available in 20 Liter Jerkins.

### Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

### Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

### Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

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