

TOPSEAL S30

Solvent Based Silane-Siloxane Water Repellent Coating

Description

TOPSEAL S30 is a single-component solvent based, clear, high penetrating ability, breathable silane-siloxane hydrophobic water repellent and protective coating for use on exterior above-grade concrete, brick masonry and natural stone to provide a hydrophobic surface to the pore structure. It reacts with humidity inside the masonry transforming into an active water-repellent substance.

TOPSEAL S30 reduces the absorption of water, water borne salts and allows passage of water vapor from the substrate.

Features & Benefits

- Effective on new and old structures.
- Inhibits penetration of soot and grime.
- Easily applied by brush or spray
- Preserves natural color and texture of treated surfaces.
- Excellent water repelling properties
- Colorless.
- Excellent resistance to weathering.
- Water vapor permeable, breathable.
- Significantly reduces water absorption.
- UV resistant, No discoloring or staining.
- Reduces water and chloride intrusion.
- Reduces efflorescence
- Allows water vapor to migrate from the structure

Uses

TOPSEAL S30 is used as a clear colorless coating and primer, offers excellent water repellent properties to the surface, which enhances self-cleaning properties. Ideally suited for the exterior of most buildings including brickwork, cementitious finishes, natural stone and precast elements. It is also used as hydrophobic primes before applying anti-carbonation coatings on bridges, tunnels, car parking...etc. it also can be used as sealer/primer in joints before applying sealants.

TOPSEAL S30 is also used to protect concrete, plaster, block walls, against chloride, and aggressive environmental attack.

Technical Properties

Appearance	Transparent Coating
Density	800 Kg/m ³
Reduction in Chloride ion penetration	92% (NCHRP 244 Standard) 98% (Australian C.T.I. method)
Reduction in water absorption	85% (NCHRP 244 Standard) 94% (Australian C.T.I. method)
Dry Film Thickness	N/A (penetrating impregnant)
Over coating time	Wet-on-Wet (second coat can be applied immediately)
Flammability	40 °C
Application temperature	+5 to +35 °C

All values are subject to 5-10% tolerance

Standards Compliance

- ASTM C1202

Application Procedures

Surface preparation:

Surfaces must be clean, dry and free from contaminants such as dirt or oil. In some case cleaning agents may be used provided no cleaning material remains on the surface. Allow surface to dry for at least 24 hrs before sealer application.

Mixing Instructions:

TOPSEAL S30 is ready to use single component product that requires to stir the content of pail before application.

Application Instructions:

Apply **TOPSEAL S30** using roller or spray machine. Minimum two coats are recommended, apply in a rate of 6-10 m² per Ltr per coat. Apply the second coat while the

first coat is still wet (Wet-on-Wet). For best results do not apply TOPSEAL S30 in direct sun light.

If applied in correct manner, TOPSEAL S30 can maintain the water repellency feature for period up to 10 years.

Coverage

The coverage of **TOPSEAL S30** depends on the porosity of surfaces but generally, it is approximately 3–5 m² per Lt. per coat depending on surface texture and porosity.

Normally minimum of two coats are recommended.

Packaging

TOPSEAL S30 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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