

## TechnoSeal<sup>®</sup> Salt-Guard Plus

Solvent-free hydrophobic silane- siloxane Penetrating Sealer for concrete and masonry.

### Description:

TechnoSeal<sup>®</sup> Salt-Guard Plus is a single component deep penetrating silane-siloxane system which penetrates deeply into the building material, porous substrates and then reacts to produce a bonded hydrophobic lining to the pores. It reacts with most salts harmful to building structures that occur on the surface in case of e.g. capillary rising humidity and penetrating humidity.

TechnoSeal<sup>®</sup> Salt-Guard Plus effects a stabilization of the surface to be treated and reduce the absorbency and does not discolour most substrates and has excellent resistance to weathering.

### Application Includes:

- To protect atmospherically exposed reinforced concrete structures from attack by chloride ions and water intrusion.
- The product offers excellent water repellency on exterior above-grade vertical and horizontal masonry surfaces.
- Ideal for use on brick, concrete, stucco, slate, cultured, and natural stone.
- Suitable to protect other cementitious substrates and all types of structures, including those in coastal environments.
- Suitable for new and existing structures.

### Features:

- Water and oil repellency
- UV protection
- Breathable coating
- Penetrates deep into substrates
- Reduces water and chloride intrusion
- Increase freeze thaw resistance
- Minimises efflorescence
- Allow water vapour to escape from the structure
- Chemically resistant to ice melting compounds, fuels, oils and atmospheric contaminants
- Non-Film Forming
- Non-Color Enhancing
- Ready-to-use formulation makes it easy to apply with long-lasting results

### Typical Properties at 25°C

Appearance	Turbid white liquid, odorless
Viscosity on ford cup B4	75 80 sec
Specific Gravity, at 25° C	1.10 ± 0.02.
Inter coat interval	4 to 6 Hrs
Application Temperature	5°C to 45°C. (≤50% RH)
Number of coat	2 flood coats

### Application Method

The application temperature should be between 5°C to 45°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the primer is as follows-

### Surface preparation

All surfaces should be dry and free from contamination such as oil, grease, loose particles, decayed matter, moss algal growth, laitance and all traces of mould release oils and curing compounds. This is best achieved by lightly gritblasting the surface. Where moss, algae or similar growths have occurred, treatment with a proprietary biocide should be carried out after the grit- blasting process.

### Application

In order to obtain the penetrating properties of TechnoSeal<sup>®</sup> Salt-Guard Plus, it is important that the correct rates of application and over coating times are observed. TechnoSeal<sup>®</sup> Salt-Guard Plus should be applied in two flood coats until the recommended total application rate of 0.4 litre per square metre has been achieved. This is best accomplished by using portable spray equipment. TechnoSeal<sup>®</sup> Salt-Guard Plus should be allowed to dry for a minimum of 2 hours (at 25°C) before continuing.

### Coverage

Application rate is approx. 0.2 litres/m<sup>2</sup> per coat or more may be required for very porous concrete.

### Cleaning of Tools and equipments

Used tools and equipment must be cleaned carefully with an appropriate solvent like TechnoPur<sup>®</sup> Eco Cleaner or TechnoFix<sup>®</sup> CleanZolPlus. Once cured TechnoSeal<sup>®</sup> Salt-Guard Plus can only be removed by mechanically.

### Packaging

TechnoSeal<sup>®</sup> Salt-Guard Plus supplied in 20 Ltr and 50 Ltr working pack.

### Storage

The product should be stored in its original package, in a cool and dry place protected from frost. For short term storage, maximum 3 palletes should be placed on top of each other and the shipment should be made on a 'first come, first go' basis. Palletes should not be placed on top of each other during long term storage. Keep away from any fire hazards or ignition sources

### Shelf Life

## Health and Safety instructions

It is dangerous to approach the application sites with fire. Fresh air should be circulated in the storage and the application sites. During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Precautions Rules should be used. Due to the irritation effect of the uncured materials, the mixture should not come into contact with skin and eyes; in case of a contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately.

No food or beverages should be brought to the application area. Store all materials and equipment safely and out of reach of children and animals. Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area.

## Cautions & Important Watch Points

Store the material at the 10° to 40°C temperature range in shaded cool place and keep it away from fire and any heated body. Clean all tools with TechnoFinish® Eco Cleaner, TechnoFix® Cleanzol Plus or any standard solvent before hardening starts.

Do not smoke during application. Store the material in a ventilated area.

## Fire

TechnoSeal® Salt-Guard Plus and TechnoFinish® Eco Cleaner, TechnoFix® Cleanzol Plus are flammable. Do not expose to naked flames or other sources of ignition. No smoking. Containers should be tightly sealed when not in use. In the event of fire, extinguish with CO2 or foam.

The shelf life is 12 months from the date of production under suitable storage conditions. Opened packages should be stored under suitable storage conditions and used within 1 week.

## Additional information

Techno Builders Solutions® By Sterling Technotrade India Pvt.Ltd -The Specialist Construction Chemicals Company® range of associated products includes high performance concrete Admixtures, Adhesives, Protective Coatings, Concrete Repairs, Industrial Flooring, Grouts & Anchors, Joint Sealants, Surface Treatments, curing compounds, repair mortars, release agents, Grinding Aids & Waterproofing.

\*Separate datasheet are available on these products.

**DISCLAIMER:** The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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