

SP-300®

Edition 03018

Water based Penetrating sealer for the protection of concrete structures

Description

SP-300 is a water based, environmentally friendly, penetrating sealer for the protection of concrete structures against moisture related problems since it has a dual crystalline active system (hydrophilic & hygroscopic) as well as good hydrophobicity. The active matter in **Sp-300** reacts with the by-products of cement hydration to produce more CSH gel which densifies the concrete and decreases its porosity. The second type of crystals is hygroscopic meaning that; it expands in moist conditions acting as pore blockers and stays dormant inside the pores in dry conditions. This complex system ensures high protection against moisture related problems and increasing the life span of the structure.

Advantages

- Enhanced Triple sealing system
- Long lasting integral protection against moisture
- Environment friendly
- Reduces capillary absorption
- Eliminates damage caused by wetting and drying cycles
- Eliminates scaling risks
- Reduces dusting and efflorescence
- Good repelling properties keeps the concrete cleaner and brighter
- Can be applied to old and green concrete
- Can be applied on vertical and horizontal surfaces
- Economic and easy to apply
- Nontoxic ,contains no VOC

Uses

SP-300 is ideal for the protection of any cementitious structure against water and moisture related problems

- Concrete Sidewalks and pavements
- Gas stations
- Runways
- Cementitious claddings
- Roof tiles
- Interlock tiles
- Cementitious based façade plasters

Standards & Specifications

Color	Transparent liquid
Toxicity	Non-toxic
Application temperature	≥ 10° C
Density	1.1 - 1.2 kg/L
Environmental hazards	None

Package & Coverage

SP-300 is supplied in 18 Kg Jerricans (other sizes maybe available upon request).

The rate of consumption will be 3.5-4.5 m² for every 1kg of **SP-300** in one coat. Don't apply additional coats.

The rate of consumption depends on the absorbency of the substrate as well as its temperature.

Allowance should be made for any possible wastage when estimating.

Application Instructions

Surface preparation:

All substrates should be clean, free from dust, loose particles, grease, oil or any other foreigner matter. All concrete surface defects (Honey combs, Rock pockets, air voidsetc.) should be repaired following a proper repair procedure. Before applying **SP-300**, all surfaces can be flushed with water for enhanced cleaning. Proper cleaning makes it easier for the product to deeply penetrate inside the concrete for a better performance. Compressed air can be a good option for removing dust and loose particles.

Application:

- Shake well the container before opening
- Using a suitable sprayer, apply the product with the recommended rate over the prepared substrate.
- For application over fresh concrete, spray the product after the concrete is hard enough for light foot traffic.
- Make sure before application that there is no bleeding.
- After the drying of **SP-300** within minimum 30 minutes, depending on the ambient temperature, a suitable curing compound can be applied to continue the concrete's curing process.

Precautions:

- The product is designed for single coat application. Over coating might lead to white residues.
- **SP-300** should be stored in normal room temperature; low temperature can lead to pre-crystallization of the product.
- Never apply on areas that have been previously sealed unless the previous sealers are removed by chemical or mechanical means.
- Never contaminate the product by re-filling excess, unused liquid back to the original container.
- Avoid working on hot substrates which will cause evaporation before good absorption of SP-300 takes place.

Health and safety

SP-300 should not come into contact with food, mouth, skin or eyes during application. Always wear safety goggles, dust mask and gloves. If skin contact occurs, wash thoroughly with clean water. Should eye contact occur, rinse immediately with plenty of clean warm water for 15 minutes and seek medical advice. If accidentally swallowed, drink 2 cups of clean water and seek medical advice. Keep away from children reach.

Storage & shelf life

The shelf life of the product is one year in its original, unopened package if stored in normal room temperature.

Technical support

For any technical support, please consult our technical office or representatives.

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