

SEALEX SX

Solvent Based Silane-Siloxane Water Repellent

Description:

SEALEX SX is a single component solvent based penetrative water repellent sealer, based on silane – siloxane resins for concrete and masonry substrates. The chemistry of silane-siloxane is to react with moisture and water content of substrate to form a hydrophobic capillary blocking product. Therefore, it serves as a high quality, general purpose water repellent breathable sealer for impregnating and priming mineral and highly alkaline substrates.

SEALEX SX can be applied to concrete structure, cement plasters, bricks, light weight concrete, porous natural stones, and natural stone facades.

Uses:

SEALEX SX used as a water repellent penetrative sealer at:

- Building facades, car parks, bridges.
- Natural stone facades for villas and buildings.
- Protection against the salt effects.
- Protection against weathering and rain.
- Primer for anti-carbonation system to prevent CO₂ and chloride ions ingress.
- Sealer and top coat for stained and stamped concrete after full curing.
- Maintenance of facades without altering colors and features.
- As a concrete sealer on a variety of surfaces such as EIFS System, colored plaster and exposed aggregate.

Advantages:

- High penetration and water repelling efficiency
- Prevents carbon dioxide and chlorine ingress
- Resistant to UV, weathering and freeze/thaw cycles
- Integral application, durable
- Ease of application, applied manually or by a manual spray pump
- Allows concrete to breath, as water vapor permeability is unaffected
- Protects surface from discoloration
- No change in surface texture or appearance

Instructions for Use:

Surface Preparation:

The surface of the concrete or plaster must be clean, solid, free from grease, and totally dry to guarantee maximum penetration. Oil or grease stains must be completely removed. All necessary repairs or crack filling should be completed before starts of application.

Surfaces with salty efflorescence must be cleaned mechanically or rinsed with water, allow surface to totally dries, before proceeding with the application

New concrete must be cured before applying SEALEX SX. All concrete curing compound must be mechanically removed, along with any foreign material.

Mixing:

Product is ready to use directly. It does not require thinning or other special preparations prior to application.

Application:

SEALEX SX must penetrate deep enough for greatest protection. To determine the ability to surface penetrate, apply on a smaller area first and observe if any excess liquid residue on surface that indicates improper penetration. In spite that one coat application will be sufficient, it is recommended to apply two coats to guarantee complete deep protection especially for porous surfaces.

SEALEX SX is applied directly to the substrate with a brush, roller, or spray machine which is highly recommended for wide areas. After testing the characteristic of the surface penetration, apply sufficient coat of SEALEX SX and allow to become dry. Ensure proper coverage of first coat in a rate of 0.15 liter per square meter. The second coat should then be applied to the surface to provide the best possible protection. In case of porous surfaces Apply second coat within 3-6 hours from the application of the first coat.

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Excess material remaining on the surface after application should be spread out evenly or wiped off.

In case of applying SEALEX SX as a primer for anti-carbonation system, apply two rich coats of the product and then within 3 hours apply the subsequent coating of CARBOSHIELD Anti-carbonation coating.

TECHNICAL PROPERTIES:

Description	: Colorless Liquid
Density	: 0.8 Kg./Lt.
Viscosity	: 9 cPs
Drying Time	: 3 hours
Chloride Permeability	: NIL
Flash Point	: 40°C
Chloride ingress	: 1%
VOC	: 50 g/l

Packaging:

SEALEX SX is supplied in 20 liter jenkins and 200 liter drums.

Coverage:

SEALEX SX coverage rate 6.0-8.0 square meters per liter per coat dependent highly on surface type and porosity. Testing the consumption rate by a sample application is highly recommended.

Cleaning:

Clean all tools with ARMOSOLVENT prior to full drying of product.

Storage Conditions:

Store in original packing in dry conditions away from direct sunlight.

Shelf Life:

SEALEX SX can be utilized within 12 months of production date if stored in proper conditions in unopened original packing.

Recommendation:

- This material reacts with atmospheric moisture, prolonged contact with air should be avoided. Keep containers sealed when not in use.
- High winds will interfere with application
- Highly flammable
- Apply in well ventilated area.

Health and Safety:

Avoid contact with skin and eyes. Use gloves and goggles during application. Ensure adequate ventilation and avoid inhalation of vapours.

Warnings:

SEALEX SX contains flammable solvents. All the precautions must be foreseen for use of such kind of products. Use gloves and goggles to avoid the contact with eyes and skin. All the application tools can be cleaned with organic solvents. For further information or particular use, contact our Technical Department.

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This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

