Technical Data Sheet

# SEALEX SX

## Solvent Based Silane-Siloxane Water Repellant

### 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 porous 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, brick work, car parks, bridges.
- Mineral based 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.
- Aerated concrete, cement fibreboards, mineral plasters

### 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 large areas. After testing the characteristic of the surface penetration, apply SEALEX SX until saturation point by applying one coat after another while still wet. Do not leave long breaks between coats. The substrate must not have damp spots. Apply the next coat when the substrate has absorbed the previous one and is no longer shiny.

Do not allow foot traffic for 24 hours after final application. Area may be opened for heavy traffic after a minimum of 72 hours.

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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.

## Standards:

- EN 1504-2

| TECHNICAL PROPERTIES | |
|---|---|
| Appearance | Transparent Liquid |
| Density | 0.90 ± 0.03 kg/lit |
| Viscosity | 10-50 cPs |
| Chloride Permeability | NIL |
| Flashpoint | 40°C |
| Chloride Ingress | 1% |
| Application Temperature | +5°C to +30°C |

*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

## Coverage:

SEALEX SX coverage rate 10.00 square meters per liter per coat dependent highly on surface type and porosity. Testing the consumption rate by a sample application is highly recommended.
*Coverage rate is an approximate value, and subject to actual site conditions.

## Packaging:

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

## Storage Conditions:

Store in original packing in dry conditions away from direct sunlight, well away from flames and sources of heat.

## Shelf Life:

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

## Cleaning:

Clean all tools and equipment with ARMOSOLVENT.

## 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 eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist. The product is flammable, keep away from sources of ignition. DO NOT SMOKE. Take precautionary measures against static discharge.

**FIRST AID:**

| | |
|---|---|
| Eyes: | In the event of accidental splashes, flush with warm water and seek medical advice. |
| Skin: | Wash skin thoroughly with soap and water |
| Inhalation: | Remove to fresh air, keep patient rested |
| Ingestion: | Do not induce vomiting. Seek immediate medical attention. |

For further safety information, please refer to SEALEX SX Material Safety Data Sheet.

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