

SEALEX DP

Water Based Sealer, Deep Penetrating Water Repellant

Description:

SEALEX DP is a single component silicate based penetrative water repellent sealer. The silicate impregnates into the porous surfaces of the mineral based substrates and reacts with atmospheric carbon dioxide to form an insoluble Polymethylsilicic Acid, an active water repellent. SEALEX DP serves as a high quality, breathable sealer for impregnating and priming mineral and highly alkaline substrates. The treated surface is protected against water and does not change its color appearance.

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

Uses:

SEALEX DP used as a water repellent penetrative sealer at:

- Building facades, car parks, bridges.
- Porous 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.
- 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 with water and oil repelling efficiency
- Prevents carbon dioxide and chlorine ingress
- Resistant to UV, weathering and freeze/thaw cycles
- Water based, environmentally friendly
- 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

- Deep penetration into the surface due to its molecular size does not change original finished surface appearance.
- Will not form a surface film or gloss
- VOC compliant

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 DP. 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 DP 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.

SEALEX DP 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 sufficient coat of SEALEX DP 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

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possible protection. In case of highly porous surfaces Apply second coat within 3-6 hours from the application of the first coat.

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

Standard:

- EN 1504-2

TECHNICAL PROPERTIES	
Appearance	Clear transparent liquid
Density	1.02 ± 0.03 kg/lit
Viscosity	5-20 cps
Drying Time	3 hours
Chloride Permeability	NIL
Flammability	Non flammable
VOC	<40 g/l

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

Coverage:

SEALEX DP coverage rate 6.0-8.0 square meters per liter per coat on concrete or cementitious surface 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 DP is supplied in 20 liter jerrycans and 200 liter drums.

Storage Conditions:

Store in original packing in dry conditions away from direct sunlight. Damaged packaging, high humidity or extreme temperatures may reduce the shelf life. Store between 10°C to 30°C

Shelf Life:

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

Cleaning:

Clean all tools with water prior to full drying of product. Hardened materials can only be removed mechanically.

Remarks:

- As with all Siliconates, SEALEX DP may cause a white deposit on the surface of colored construction material.
- Not suitable on very dense non porous surfaces such as marble and granite.

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 vapor or spray mist.

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 DP Material Safety Data Sheet.

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