

Strutop® SR12

Penetrating Hydrophobic Silane-Siloxane Treatment

Uses

To protect atmospherically exposed reinforced concrete structures from attack by chloride ions and water intrusion. The product is also suitable to protect other cementitious substrates and masonry.

Strutop SR12 is suitable for use on all types of structures, including those in coastal environments. It is equally suitable for new and existing structures.

Strutop SR12 waterproofing sealer is particularly suitable for decorative, stained or exposed-aggregate concrete and for natural stone, bricks and pavers. Resists water, deicing salts, and gasoline.

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Advantages

- Penetrates into substrates
- Non staining
- Reduces water and chloride intrusion
- Increases freeze thaw resistance
- Minimizes efflorescence
- Allows water vapour to escape from the structure
- Chemically resistant to ice melting compounds, fuels, oils and atmospheric contaminants

Description

Strutop SR12 is a single component penetrating silane-siloxane system which penetrates into porous substrates and then reacts to produce a bonded hydrophobic lining to the pores.

Although allowing passage of water vapour from the substrate it significantly reduces the absorption of water and water borne salts.

Strutop SR12 does not discolour most substrates and has excellent resistance to weathering.

Design criteria

Strutop SR12 should be applied in 2 coats. To achieve the correct penetration and protection Strutop SR12 must be applied on the substrate at the coverage rates recommended.

Properties

Appearance	Colorless or yellowish liquid
Specific Gravity	0.82 ± 0.02 gr/cm ³ @ 20°C

Instructions for use

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 sand-blasting the surface. Where moss, algae or similar growths have occurred, treatment with a proprietary biocide should be carried out after the sand-blasting process.

Application:

In order to obtain the penetrating properties of Strutop SR12, it is important that the correct rates of application and overcoating times are observed.

Number of coat	2
Theoretical application rate per coat	0.2 kg/m ²
Overcoating time	2 hours @ 20°C

Strutop SR12 should be applied in two flood coats until the recommended total application rate of 0.2 to 0.4 liter per square meter has been achieved. This is best accomplished by using portable spray equipment.

Strutop SR12 should be allowed to dry for a minimum of 2 hours (@ 20°C) before continuing.

Cleaning:

Strutop SR12 should be removed from tools and equipment after use.

Limitations

- Strutop SR12 should not be contaminated with water.
- Application of Strutop SR12 should not commence if the temperature of the substrate is below 2°C.

Strutop SR12

- Strutop SR12 may darken some polymer modified substrates and white cement. A trial area is recommended.
- Strutop SR12 should not be permitted to come in contact with glass.

Packaging

Strutop SR12 is available in 1, 4 and 20 litre containers.

Storage

When stored in the original unopened container in cool, dry conditions away from sources of heat and naked flames, Strutop SR12 will have a shelf life of 12 months. If stored at high temperatures and/or high humidity conditions the shelf life will be reduced.

Precautions***Health and safety:***

Strutop SR12 does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes.

Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

Fire:

Strutop SR12 is 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.