

SILANE/SILOXANE BASED WATER REPELLENT COMPOUND FOR MASONRY & CONCRETE

Description

SILICOCOAT is a solvented Silane /Siloxane based water repellent compound for protection of concrete and masonry work.

Uses

To protect atmospherically exposed reinforced concrete structures from attack by chloride ions and water intrusion. **SILICOCOAT** is also suitable to protect other cementitious substrates and masonry. **SILICOCOAT** is suitable for use on all types of structures, including those in coastal environments. It is equally suitable for new and existing structures.

Advantages

- Reduces water and chloride intrusion
- Penetrates into porous substrates
- Non-staining
- Suitable for applications where windy conditions or high temperatures are likely
- Increases freeze thaw resistance
- Minimises efflorescence
- Chemically resistant to ice melting compounds, fuels, oils and atmospheric contaminants
- Allows water vapour to escape from the structure

Technical Data

- Appearance : Colourless liquid
- Specific Gravity at 27°C : 0.88±0.02
- Drying time : 2 hrs

Standard Compliance

It complies BS 3826-1969 Class A and Class B as silicon resin based water repellent..

Instruction for use

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

Application

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

Number of coats: 2 flood coats

Theoretical application rate per coat: 5m² / litre

0.2 litres / m²

Overcoating time: 2 hours @ 20°C

SILICOCOAT should be applied in two flood coats until the recommended total application rate of 0.4 litres/m² has been achieved. This is best accomplished by using portable spray equipment of the knapsack-type. If in doubt about the condition of the substrate, consult FCSC representative. **SILICOCOAT** should be allowed to dry for a minimum of 2 hours (at 20°C) before continuing.

Packaging

20 ltr metal container

Storage and Shelf life

12 months from the date of manufacturing when stored in un-opened, original sealed and dry condition at a temperature range from +5°C to 40°C

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Coverage

2-6 m² /litre depending on surface conditions

Safety precautions

Store the material at the 2^o to 40°C temperature range in shaded cool place and keep it away from fire and any heated body. Clean all tools with MEK or any standard solvent before hardening starts.

- Do not smoke during application
- Store the material in a ventilated area
- Highly in-flammable
- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Note

All Technical Data Sheets of FIRST CHOICE SPECIALITY CHEMICALS are updated on regular basis; it is the user's responsibility, to obtain the most recent issue. Field services where provided, does not constitute supervisory responsibility, for additional information contact our local representative.

Disclaimer

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

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