

RC SILAN 100

N-OCTYL TRIETHOXY SILANE (100%)

Water protection



ADVANTAGES OF RC SILAN 100

- ✓ High durability > 20 years
- ✓ Very high reduction of water absorption (> 90%)
- ✓ Protects against frost damage, moss and algae growth
- ✓ Hardly reduces water vapour permeability
- ✓ Very good acid and alkali resistance
- ✓ Ideal for concrete or exposed concrete

Description

RC SILAN 100 is a colourless, solvent-free, 100% concentrated water-repellent treatment for the hydrophobisation (water-repellent treatment) of low-porosity mineral construction materials such as concrete and decorative concrete.

Characteristics

- High durability > 20 years
- Very high reduction of water absorption (> 90%)
- Protects against frost damage, moss and algae growth
- Hardly reduces water vapour permeability
- Very good acid and alkali resistance
- Good penetration in low-porous materials: > 7 mm in concrete
- Does not etch glass, does not attack aluminium and other metals, does not stain bluestone
- Preserves the original appearance of the concrete, prevents rain penetration in cracks smaller than 0.3 mm

Surface

When applying the product, the substrate should be clean, solid and sufficiently dry.

Application instructions

Apply RC SILAN 100 preferably by airless at low pressure in one stroke until saturation or in two wet-on-wet applications. When applying in one motion, work from top to bottom in horizontal layers and overlap.

In extreme dryness, we recommend slightly pre-wetting the walls before treating with RC SILAN 100.

Consumption

0.2 - 0.5 litres/m²

Depending on the porosity of the material to be treated and the desired depth of penetration.

Technical information

Characteristics	Values
Composition	98-100% N-OCTYL TRIETHOXY SILANE
Application temperature	0 °C (with dry concrete) – 40 °C
Drying time	RC SILAN 100 is effective after 1 to 3 weeks
Solvent	Solvent-free
Density	0.879 g/cm ³ (20°C)
Flash point	>110 °C
Boiling point	84.0~85.0 °C (0.5mmHg)

Essential characteristics	Performance(s)	Test method
Penetration depth	Class II: ≥ 10 mm	EN 1504-2 (Table 3)
Water absorption and alkali resistance	Nb	EN 13580
Absorption coefficient	< 7,5% compared to the untreated sample	EN 13580
Absorption coefficient	< 10 % after immersion in an alkaline solution	EN 13580
Dehydration coefficient for hydrophobic impregnation	Class II: > 10%	EN 13579
Mass loss after freeze-thaw salt loading	Mass loss on the impregnated surface should occur at least 20 cycles later compared to the untreated surface.	EN 13581

Security

Further information regarding safety during transport, storage, waste and ecology can be found in our latest safety data sheets.

Cleaning of equipment

Wet stains: wash with ethanol or White Spirit.

Dry stains: wash with cellulose thinner.

Storage / Shelf life

18 months from date of manufacture in the original, unopened packaging.

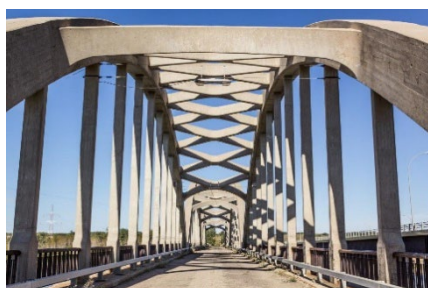
Protect from moisture, frost and temperatures above 40°C.

Packaging

25 L (art.no. 21007)

Also available in 200 L and 1000 L.

Photos



Legal Notes
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