

Repelicone L

General purpose water repellent impregnation based on solvent borne Silane/Siloxane



Description

Repelicone L is a ready for use, general purpose single component solvent based silane/siloxane water repellent impregnation for application on vertical or steeply sloping concrete, mineral-based natural and artificial stone, cementitious substrates, mineral plasters and mineral paints.

Applications

- ▲ Repelicone L provides very good water repellency and protection from weathering to vertical or steeply sloping concrete, mineral-based natural and artificial stone, cementitious substrates, and mineral paints.
- ▲ Repelicone L can also be used for injection into walls to prevent rising damp.
- ▲ Repelicone L can be used as a moisture barrier and primer for exterior paints.

Advantages

- ▲ Deep penetration into substrate.
- ▲ Very good reduction of water and chloride intrusion.
- ▲ Excellent resistance to alkalis and UV light.
- ▲ Absorbed by the substrate, does not form film and hence does not change or stain the substrate.
- ▲ Increases considerably freeze thaw resistance.
- ▲ Minimizes efflorescence.
- ▲ Breathable, allows for water vapour release.
- ▲ Very good resistance to dust and dirt pick-up.

Standards

Repelicone L complies with the requirements of EN 1504-2 Surface Protection Systems for Hydrophobic Impregnation (H) Principles 1.1, 2.1 and 8.1.

Method of Use

Surface Preparation

Surface must be clean, sound and free from oil, grease, curing compound, or any contamination. Any contaminants should be removed by light grit blasting. Water jet is then used as the end step of substrate cleaning.

Technical Properties @ 25°C:

Specific gravity:	0.85 ± 0.02
Viscosity: (Brookfield, N ₁ S ₂₀)	< 5 cP
Rapid chloride permeability: ASTM C1202	Low
ISAT: BS 1881, Part 208:1996 (replaces BS 1881, Part 5:1970)	< 0.01 ml/m ² /sec, after 10 min
VOC: ASTM D2369	< 750 g/ ltr

Performance characteristics	EN 1504-2 requirement	Measured value
Depth of penetration: EN 1504-2, Table 3	Class I < 10 mm Class II ≥ 10 mm	≤ 5 mm (Class I)
Drying rate coefficient: EN 13579	Class I > 30% Class II > 10%	≥ 50% (Class I)
Water absorption: EN 13580	< 7.5% compared to control untreated sample	≤ 6.5% (Pass)
Resistance to alkali: EN 13580	< 10%	≤ 9.7% (Pass)

Note: Avoid the use of acidic or alkaline chemical detergents and cationic surfactants. If detergents are used for cleaning, it is necessary to rinse well the cleaned surface by water in order to remove any detergent residue.

Application

It is recommended to apply two consecutive coats of Repelicone L at the stated rate of application, or one flood coat. Impregnation can be carried out using airless spray machine, brush, or roller.

Repelicone L

Notes:

- ▲ Before applying Repelicone L be sure to cover non-absorbent surfaces properly (windows, aluminum frames, etc.). Repelicone L cures fast and will be extremely difficult, to remove after a few hours.
- ▲ Repelicone L should not be applied when rain is forecasted within 24 hours. Wait at least 24 hours after rain or water cleaning.
- ▲ Be sure that impregnated surfaces by Repelicone L are not exposed to water and rain for at least 5 hours after application.
- ▲ DO NOT USE DETERGENTS for cleaning impregnated surfaces by Repelicone L, washing occurs only by water.

Curing

The water repellent properties fully develop in approximately 72 hours at 25°C.

Cleaning

Tools and equipment can be cleaned with DCP-solvent when wet. Hardened materials must be cleaned mechanically.

Packaging

Repelicone L is available in 20 litre pails and 200 litre drums.

Coverage

0.1 - 0.4 litre/m² depends on the porosity of the substrate.

Storage

Repelicone L should be stored under cover at a minimum ambient temperature of 5°C.

Shelf Life

Repelicone L has a shelf life of 12 months from date of manufacture if stored in proper conditions and sealed drums.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

Cautions

Health and Safety

Care should be taken during use and storage to avoid contact with skin, eyes and mouth. Wear suitable protective clothing, gloves and eye/face protection. Should accidental skin contact occur, remove immediately with plenty of clean water. If swallowed, seek medical attention immediately - do not induce vomiting.

For further information refer to the Material Safety Data Sheet.

Fire

Repelicone L is flammable. Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

Flash Point: > 39°C.

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- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

Note:

We endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, due to the fact that we have no direct or continuous control over where or how the products are applied, DCP cannot accept any liability either directly or indirectly arising from the use of DCP products, whether or not in accordance with any advice, specification, recommendation or information given by us.

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