Shieldprotect C

Non-staining, Water-based Siliconate Water Repellent

TECHNICAL DATA SHEET

Description

Shieldprotect C is a one-component, water-based, breathable, and non-absorbent water repellent, based on Siliconate, designed to reduce the absorption of water and water-borne salts by impregnation inside substrates.

Uses

- To provide a water-repellent surface on all types of new and existing structures like building stone, bricks, masonry units, plasters, etc.
- Effective in coastal environments.

Characteristics / Advantages

- Single component and non-absorbent liquid.
- Ready to use, colorless liquid.
- Penetrates through substrate pores.
- Highly resistant to weathering conditions.
- Protects stone against the penetration of water.

Safety Instructions

Avoid contact with the eyes and skin. In case of direct contact with the skin, wash the affected area immediately with water for several minutes. If it comes into contact with the eyes, rinse immediately with lukewarm water for at least 15 minutes and get medical advice or treatment if any emergency warning signs appear.

For further information, refer to the Material Safety Data Sheet

Shelf Life and Storage

Shieldprotect C has a shelf life of 12 months when stored in its original unopened packaging in dry conditions. Shelf life may be reduced if the recommended storage conditions changed.

Typical Properties

Color	Clear
Appearance	Liquid
Specific Gravity (@ 23°C)	1.03 ± 0.02
Rapid Chloride Permeability (ASTM C1202)	Low
Full Cure	48 – 72 hours

Packaging

Shieldprotect C is supplied in 5, 20-litre pails.

Consumption

Approximately 0.20 – 0.40 L per m^2

Note: This coverage is theoretical and may vary due to site wastage, substrate roughness/ porosity, and absorption rate.

Application Instructions

1. Surface Preparation

The substrate must be sound and clean from dust, oils, dirt, grease, curing compounds or any contaminants. Laitance shall be removed by mechanical means. Substrates should be also sufficiently cured to avoid any shrinkage cracks.

Substrate temperature should be in the range of +5°C to +35°C

2. Application

To achieve the perfect penetration property, the correct rate and method of application are necessary.

Shieldprotect C can be applied by brush, roller, or low-pressure sprayer. Avoid exposure to water within a minimum of 3 – 4 hours after application.

Number of coats :	2 coats are recommended
Overcoating time :	Allow to dry for a minimum of 2 hours (at 20°C) before applying the next layer.

3. Cleaning

All mixing equipment and application tools should be cleaned immediately with clean water. Hardened material should be mechanically removed.

Technical Support

Refer to technical information, method statement, or contact technical support team for any inquiry.

Limitations

- Do not apply the product if the ambient temperature is less than 5°C.
- Hot weather practices should be adopted during application and curing if the temperature is above 35°C. In hot conditions, store the material in a cool environment prior to application.
- Test area should be inspected to ensure that no color change occurs on the substrate
- Apply only on porous substrates.
- Do not over apply **Shieldprotect C.**
- Protect freshly applied surfaces from rainfall and water cleaning for at least 24 hours.

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