

### General Product Description

Protecta® Waterproofer is a high viscosity cream-like impregnating fluid based on alkyl-alkoxy-silanes. When applied to cured Protecta® EX Mortar, the Waterproofer protects the surface by making it water repellent. The Waterproofer will also protect other porous substrates such as stone, brickwork and concrete in facades.

Protecta® Waterproofer also provides a comprehensive protection against efflorescence and decomposition caused by water-soluble pollutants, frost damage and attack by moulds and bacteria on damp substrates.

The construction material's physical properties, especially its water vapour permeability ( $S_d$ -value) is barely affected by application of Protecta® Waterproofer.

### Properties & Precautions

- Long-lasting and reliable
- Simple, drip-free application with excellent workability
- Water free
- High concentration of active ingredients
- Alkaline stable
- Does not build up a film
- Extraordinary penetration depth
- Can be applied without any loss, in one layer and without sag
- Causes no discoloration or intensification of masonry surfaces

Protecta® Waterproofer **can be used** on many building materials, including:

- Protecta® EX Mortar and other mortars
- Plaster
- Porous concrete and concrete (perfectly suited for concrete repair)
- Limestone and natural stone
- Industrial made bricks and clinker

Protecta® Waterproofer **is not suited** to be applied on substrates that provide no, or very low absorption capacity, such as:

- Belgian hard stone (Arduin)
- Dense or polished marble
- Granite
- Similar substrates

Protecta® Waterproofer is not suited for submerged usage, and should not be in contact with bitumen or bitumen-like materials, synthetic resins or acrylate-based coatings (e.g. concrete paints). Please avoid applying over coatings and insulating materials as damage may occur. In case of contact, please remove the product immediately with plenty of cold water.

### Health and Safety

EU066: Repeated exposure may cause skin dryness or cracking. Keep container tightly closed when not in use. Avoid contact with eyes and skin. Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor. Keep out of reach of children. More detailed information can be found in the relevant Protecta® Safety Data Sheet.



### Application

#### PREPARE

Before application, ensure the surface to be treated is clean, dry and free from grease, dirt, dust, and other contaminants. Remove all existing paints and coatings until you have a sound surface. If a stirrer is used, ensure it is cleaned thoroughly.

#### APPLY

Ensure good ventilation. The product can be applied with a roller or brush. Apply minimum 50 g/m<sup>2</sup> in one layer for sufficient protection on most surfaces, but not more than 200 g/m<sup>2</sup>.

Please note, this is guidance only and not specific, as the absorption behaviour of substrates can be very different. It is recommended to test smaller areas to determine the actual needed amount.

The active ingredient penetrates the substrate from 30 minutes to several hours, depending on the porosity of the substrate. The milky-white cream colour usually disappears without any residues and without a colour intensifying effect, provided that the treated surface has a minimum level of absorption capability. If in doubt, it is recommended to test smaller areas first.

### Technical Data

Type	High viscosity cream, based on silanes and siloxanes
Colour	Milky white, becoming transparent
Specific gravity	0.84g/cm <sup>3</sup>
Penetration time	30 minutes to several hours
Application conditions	Between +5°C and +35 °C on dry surfaces and for 24 hours after application
Temperature range	-50 to +45 °C (fully absorbed)
Tests according to	DIN 18180 and EN 15148:2002.A
Shelf life	Up to 12 months in un-opened containers when stored in areas between +1 and +35 °C and with no exposure to direct sunlight or frost
Expected work life	At least 20 years under normal environmental conditions
Packaging	3 litre pails, 200 litre drums, 1000 litre IBCs