

SILIKON B

Siloxane impregnation product



MAIN ADVANTAGES

- Efficiently protects the substrate from humidity and aggressive substances contained in the air
- Protects from stains and efflorescences
- Does not limit the substrate vapour permeability
- Assures high dirt resistance
- Has very high penetrating and strengthening properties
- Does not change the substrate colour
- Does not make up the coating — it may also be applied on historical buildings

AREAS OF APPLICATIONS

Colourless, siloxane product for hydrophobic impregnation of all construction substrates with a various level of absorptivity to be found outside and inside buildings. Produced based on small-particle silicone resins which assure deep penetration and reinforcement of the substrate structure. Intended for the impregnation of concrete substrates, lime renders, cement-lime renders and cement renders, cement and fibre boards, walls made of clinker bricks, face bricks, silicate bricks, linings made of sandstone and mineral paint coatings. Protects the facade against the formation of stains and efflorescences (such as pigment washing out, salt efflorescences) and against algae and fungi growth. Assures high vapour permeability and low surface absorption as well as high dirt resistance. **Note:** The product should not be applied on flooring surfaces or for protecting substrates from ground moisture, ground water or water under pressure. Do not use in contact with materials susceptible to solvents (such as EPS or bitumens).

TECHNICAL SPECIFICATION

Base binder: silicone binder;

The content of volatile organic compounds VOC: cat. A/h. The product contains less than 750 g / lVOC;

Density: ca. 0.8 g/cm³;

Solids content: ca. 6%;

Content of organic solvents: ca. 94%;

Colour: colourless;

Average coverage: ca. 0.30-0.65 l/m² (depending on the substrate water absorbcency);

Temperature of application (air and substrate): from +5°C to +25°C;

Relative humidity: ≤75%.

Packaging: Single-use plastic packaging of 1 and 10 l.

Storage: The product should be stored in its sealed packaging in a cool, but frost-protected room. Opened packaging should be tightly closed and used as quickly as possible.

Note: Product contains flammable solvents. Store away from open fire.

Shelf life: Originally sealed products have a 18-month shelf life from the date of production (this is printed on the side of the packaging).

APPLICATION METHOD

SUBSTRATE PREPARATION: Apply to a sound/stable and clean substrate (without cracks and delaminations), degreased, dry, and free of biological contamination or chemical efflorescence. In case of algae/fungi growth, the substrate should be cleaned mechanically and then wash with water and disinfect with **ALGIZID**. Any loose layers not bound to the substrate (i.e. loose renders or flaked coatings) should be removed. Old and/or dirty substrates should be washed and degreased with water and the **CLEANFORCE** cleaning agent. For uneven substrates, first use levelling compound and then level out and smooth the surface with finish levelling compound. Small unevenness can be levelled out at once with finish levelling compound. Use the above products according to their technical data sheets. Absorbent substrates should be primed before finish levelling compound and/or levelling compound is applied. If product is applied on new mineral substrates (such as concrete, lime render, lime-cement renders, cement render), 2-week curing period is required.

PRODUCT PREPARATION: The packaging contains a ready-to-use product. It cannot be diluted.

APPLICATION: Product to be applied on the substrate by means of a brush or roller trying to evenly and thickly cover the whole surface intended for impregnation. On absorbent substrates the product to be applied in two layers, 'wet on wet' method to be used. Use mechanical spraying only in windless weather.

DRYING: Typical drying time of one layer — ca. 24 h (20°C, 55% RH). Protect the newly made coating against precipitation and condensation until it dries completely. **Note:** Full hydrophobic properties are achieved after 7 days.

USEFUL HINTS: To be applied on dry days with temperatures above +5°C. Drying time may be longer due to low temperatures and high relative humidity. All tools to be cleaned with an appropriate solvent after work is completed. Application during direct exposure to sunlight or in strong winds is not recommended.