

FOR EPS

SILIKON B

Siloxane
impregnation product



MAIN ADVANTAGES

- Effectively protects the substrate from humidity and aggressive substances contained in the air
- Protects from stains and efflorescences
- Does not reduce the substrate vapour permeability
- Provides high resistance to soiling
- Shows very high penetrating and strengthening properties
- Does not change the substrate colour
- Does not create a coating – it may also be applied on historical buildings

AREAS OF APPLICATION

A 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 ensuring deep penetration and reinforcement of the substrate structure. Intended for 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, claddings made of sandstone and mineral paint coatings. Protects the façade against the formation of stains and efflorescences (such as pigment washing out, salt efflorescences) and against algae and fungi growth. Provides high vapour permeability and low surface absorption, as well as high resistance to soiling. **Note:** The product should not be applied on the floor surfaces or for protecting substrates from ground moisture, surface waters or water under pressure. Do not use in contact with materials susceptible to solvents (such as EPS or bitumens).

TECHNICAL DATA

Base binder: silicone binder;
The content of volatile organic compounds VOC: cat. A/h. The product contains less than 750 g/l VOC;
Density: approx. 0.8 g/cm³;
Contents of solids: approx. 6%;
Content of organic solvents: approx. 94%;
Colour: colourless;
Average coverage: approx. 0.28-0.52 kg/m² (depending on the substrate absorbcency);

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

Relative air humidity: ≤ 75%.

Packaging: Disposable plastic packaging containing 0.75 kg and 9 kg of product.

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

Note: The product contains flammable solvents. Store away from open fire.

Shelf life: 18 months from the date of production printed on the packaging, with originally sealed packaging.

HOW TO USE

SUBSTRATE PREPARATION: Substrate should be sound/stable (without scratches and cracks), degreased, clean and dry, and free of biological contamination and chemical efflorescence. In case of algae/fungi growth, the substrate should be cleaned mechanically and then washed with water and disinfected with **ALGIZID**. Any loose layers, not bound to the substrate (e.g. loose renders or flaked coatings), should be removed. Old and/or dirty substrates should be washed and degreased with water and **CLEANFORCE** cleaning agent. For particularly uneven substrates, first use levelling compounds, and then smooth out the surface with finish levelling and smoothing compound. Small unevenness can be smoothed right away with levelling and smoothing compound. Use the above products according to their technical data sheets. An absorbent substrate should be primed with an adequate product before applying base coats and/or levelling compounds. If the product is applied on new mineral substrates (e.g., concrete, lime render, cement render, cement-lime render) – a minimum 2-week curing period is required.

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

APPLICATION: The product should be applied on the substrate with a brush or roller, trying to evenly and thickly cover the whole target surface intended for impregnation. On absorbent substrates, the product should be applied in two layers using "wet on wet" method. Use mechanical spraying only in windless weather.

DRYING: Typical drying time for one layer of product applied onto a substrate is approx. 24 hours (at air temperature +20°C, 55% RH). Protect the freshly applied coat against precipitation and condensation until it dries completely.

Note: Full hydrophobic properties are obtained after 7 days.

USEFUL HINTS: During the application and drying of the product, rainless weather should prevail, with an air temperature above +5°C. Drying time may be longer due to low temperatures and high relative humidity. Tools should be cleaned with an appropriate solvent immediately after work is completed. Avoid applying the product on surfaces directly exposed to sunlight or during strong wind.