

TO BE USED UNDER POLYSILICATE (LOW-ALKALI) PRODUCTS

NOVALIT GF

Priming and impregnating product
under polysilicate facade paints



MAIN ADVANTAGES

- Improves coating adhesion
- Reduces and equalises substrate water absorbency
- Assures high vapour permeability
- Protects from stains and efflorescences
- Reduces dustiness
- Does not change the substrate colour
- Features a very high adhesion to both mineral substrates and those covered with coating or mortar based on polymer.

AREAS OF APPLICATIONS

High quality product based on small-particle acrylic dispersion with an addition of silicone hydrophobising agents. Intended for the proper preparation of the substrate under **NOVALIT F**, **NOVALIT PLAN** and **NOVALIT L** polysilicate facade paints, as well as hydrophobic impregnation of all typical, absorbent construction substrates outside buildings. To be applied for priming of mineral substrates (such as concrete, traditional lime renders, cement-lime renders and cement renders as well as thin coat mineral renders, silicate renders, polysilicate renders) and on substrates covered with well set and bound polymer-based coatings. It is specially recommended for the impregnation of absorbable and weathered concrete substrates, cement screeds, cement renders, cement-lime renders and lime renders, cement and fibre boards and raw surfaces made of bricks, blocks, concrete blocks and other ceramic or silicate materials of that type.

TECHNICAL SPECIFICATION

Base binder: silicone and acrylic binder;

The content of volatile organic compounds VOC: cat. A/h. The product contains less than 30 g/l VOC;

Density: ca. 1.05 g/cm³;

Solids content: ca. 10%;

Colour: milk-white, colourless after drying;

Average coverage: ca. 0.20 l/m² (depending on the substrate water absorption);

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

Relative humidity: ≤75%.

Packaging: Single-use plastic packaging of 5 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.

Shelf life: Originally sealed products have a 12-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 render or flaked coatings) should be removed. Old and/or dirty substrates should be washed off and degreased with water and **CLEANFORCE** cleaning agent. For uneven substrates, first use levelling compound and then level the surface with **KOMBI FINISZ** levelling/finish render. Small unevenness can be levelled out at once with **KOMBI FINISZ** levelling/finish render. Absorbent substrates should be primed before finish levelling and smoothing compound and/or levelling compound is applied. If the product is applied on new mineral substrates (such as concrete, lime render, cement-lime render and cement render), 2-week curing period is required.

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

APPLICATION: The product to be applied on the substrate with the use of a paint brush, roller or spraying. Very absorbent substrates should be impregnated twice by means of a 'wet on wet' method.

DRYING: Before applying paint, the product used on the substrate requires curing of ca. 12 hours. 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. If such is the case, it is necessary to wait until the primer dries out completely before applying the paint. All tools should be cleaned with water after work is completed. Application during direct exposure to sunlight or in strong winds is not recommended. To protect wet product against inclement weather conditions, scaffolding should be covered with some protective netting.