

TO BE USED UNDER SILICATE PRODUCTS

CALSLIT GF

Silicate priming and strengthening product for mineral substrates and under silicate facade paints



MAIN ADVANTAGES

- Mineral character
- Improves coating adhesion
- Reduces and equalises substrate water absorbency
- Assures high vapour permeability
- Binds and strengthens the substrate
- Has high good penetrating properties
- Reduces dustiness
- Does not change the substrate colour

AREAS OF APPLICATIONS

Product based on potassium water glass intended for strengthening all mineral construction substrates outside and inside of buildings and for proper preparation of the substrate under CALSLIT F silicate facade paint and HISTORICA FKZ. It is used for surface reinforcement of absorbable and weathered concrete substrates, cement screeds, lime renders, cement-lime renders and cement renders, cement and fibre boards and raw surfaces made of bricks, blocks, hollow blocks and other ceramic or silicate materials of that type. To be applied for priming only mineral substrates (such as concrete, traditional lime renders, cement-lime renders and cement renders as well as thin coat mineral and silicate renders).

Note: Do not apply on substrates covered with paint coatings or top coats based on polymers or on gypsum substrates.

TECHNICAL SPECIFICATION

Base binder: potassium water glass;

The content of volatile organic compounds VOC: cat. A/h. The product contains less than 40 g/l VOC;

Density: ca. 1.05 g/cm³;

Content of solids: min. 7%;

Colour: transparent;

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

Temperature of application (air and substrate): from +8°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 mineral, sound/stable and clean substrate (without cracks and delaminations), degreased, dry, and biological or chemical efflorescence free. 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 and present polymer-based coats should be removed. 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. **Please note:** if product is applied on new mineral substrates (such as concrete, lime render, lime-cement renders, cement render), 2-week curing period is required. **Note:** Directly before applying product, elements made of materials susceptible to alkalis (such as wood, metal, glass or clinker brick) should be protected against splashing.

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. On absorbent substrates the product to be applied in two layers, 'wet on wet' method to be used. **Note:** The product is alkaline, therefore, it is necessary to protect eyes and skin. Safety clothing (PPE) must be worn while carrying out any installation work. In case of contact with eyes, immediately rinse them thoroughly with plenty of water. If irritation develops, seek medical assistance.

DRYING: Before applying paint, the product used on the substrate requires seasoning and hardening of ca. 24 hours. Protect the newly made coating against precipitation and condensation until it dries completely. Closed rooms to be ventilated after priming.

USEFUL HINTS: To be applied on dry days with temperatures above +8°C. Setting 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 sets and hardens 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 unbound product against inclement weather conditions, scaffolding should be covered with some protective netting.