

TO BE USED UNDER SILICATE PRODUCTS

CALSILIT GT PRIMER

Primer for silicate renders



MAIN ADVANTAGES

- Mineral character
- Improves the top coat adhesion
- Reduces and equalises substrate water absorbency
- Assures high vapour permeability
- Reduces the effect of substrate showing if it is coloured to the render colour
- Binds and strengthens the substrate
- Makes render application and texture modelling easier

AREAS OF APPLICATIONS

Coloured product based on potassium water glass, intended for proper preparation of the substrate for **CALSILIT T** silicate render and **HISTORICA KMS**. To be applied for priming only mineral substrates (such as concrete, lime render, lime-cement render and cement render) outside buildings, also in **KABE THERM SM** and **KABE THERM SM RENO** EWI systems based on EPS. **Note:** Do not apply on substrates covered with paint coatings or top coats based on polymers.

TECHNICAL SPECIFICATION

Base binder: potassium water glass;

Pigments: non-organic coloured pigments;

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

Density: ca. 1.40 g/cm³;

Colour: white or coloured to the render colour;

Average coverage: ca. 0.23 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 and sound/stable substrate (without cracks and delaminations), degreased, even and 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. For uneven substrates, first use levelling compound and then level out the surface with finish levelling and smoothing compound. Small unevenness can be levelled out at once with finish levelling and smoothing compound. Use the above products according to their technical data sheets. 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, cement-lime render, cement render), 2-week curing period is required. Before applying the product in **KABE THERM SM** and **KABE THERM SM RENO** EWI systems, all coats of the systems must be made in accordance with the technology of the External Thermal Insulation Composite Systems - ETICS. **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 by using a paint brush or roller. **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: Primer should be dry before applying a render, curing period lasts about 24 hours. Protect the newly made coating against precipitation and condensation until it sets completely.

USEFUL HINTS: Application and setting of the product requires dry days and the temperature above +8°C. All tools to be cleaned with water after finishing work. 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.