

BEECKOLIT

Water-repellent facade silicate paint, especially for levelling coatings on pigmented finish plasters.



Ranges of Application:

Easy-to-use, one-component silicate based facade paint for mineral surfaces outdoors, especially designed for use as a levelling paint for pigmented finish plasters, see Surface and Pretreatment.

Processing:

Carefully stir up BEECKOLIT before use.

► For use as a levelling paint, thin with 3 to 5% water and apply crosswise, sparingly, evenly and lap-free by brush, roller or spray gun. Treat adjacent surfaces all at once. Avoid drying of edges. Depending on the surface, one to two coatings will be required.

► For use as a simple facade paint, carefully prepare the surface, e.g. by etching and previous fixation of new plasters. For use as a base coat, thin with 10 to 15% BEECK FIXATIVE. Top coat no sooner than 12 hours later, thinned with 3 to 5 % BEECK FIXATIVE. For high traffic facades, a third layer may be considered. Minimum temperature: +5°C air and surface during processing and drying. Do not use on heated surfaces.

Technical Features:

Unlike organically bound coatings, such as synthetic resin dispersion or silicone resin emulsion paints, BEECKOLIT contains silicification-active potash water-glass. Through silicification - the chemical reaction between surface, fillers and potash waterglass - a particularly hard-wearing and diffusible coating is being produced. BEECKOLIT is characterized by excellent building physics properties, covering qualities and easy and quick processing.

Water absorption and water-vapor diffusion characteristics:

W_{24} -value: < 0.15 kg/(m²h^{1/2})
 s_d -value (H₂O): < 0.08 m

Physical/Technical Characteristics:

Density: 1.4 g/cm³
 pH value: 11
 Dynam. viscosity: 2,800 mPas

Color tone:

Available in pastel mineral colors of color categories I and II, typical for plasters, see BEECK COLORSIL and BEECK ANTIQUE Color Charts.

Base colors: white, white antique.

Can be toned with BEECK FULL COLOR SILICATE PAINTS.

Drying:

Recoatable at the earliest after 12 hours. Protect fresh coatings from rain, e.g. by using scaffold tarpaulin.

Yield:

On smooth, normally absorbent surfaces:
 approx. 0.14 l to 0.16 l BEECKOLIT per coat and m².
 On coarse plaster significantly more.

Available Sizes: 12.5 l.

Cleaning:

Clean appliances, tools and clothes with water immediately after use.

Storage:

Lasts at least 12 months when stored cool and free of frost.

Composition:

One-component silicate acrylate system with potash waterglass as a binder, recovered from water, quartz sand and potash. Calcareous fillers and exclusively non-fading, alkali-resistant mineral pigments. Organic content through artificial resin, water-repellent through organosilicon substances.

BEECKOLIT

Surface and Pretreatment:

General Requirements:

The surface must be clean, dry, solid, coatable and free of efflorescing salts. Suitable are porous, absorbent to water-repellent mineral surfaces, especially finish plasters. Check fresh plasters for dryness and stability. Touch up open spaces and flaws to match style and structure. Coat repaired surfaces with BEECK QUARTZ FILLER (see auxiliary products).

Levelling coatings for pigmented finish plasters are designed to cover slight color discrepancies and lime efflorescences on the plaster surface. With the use of a levelling paint, symptoms of weathering encountered on the plaster surface, such as a shining through of the structural grain, can be delayed. However, levelling paints cannot hide structural discrepancies or a lacking quality of the plaster or its processing (e.g. scaffold contact, hair cracks, chalking).

See also Technical Information Sheet „Levelling Coatings for Finish Plasters“ issued by the Federal Association of the German Mortar Industry (non-profit organization) and BFS Information Sheet No. 9 (Federal Committee for Paints and the Protection of Property (non-profit organization) regarding this issue.

Levelling coating of finish plasters no sooner than after 5 days or according to the manufacturer's instructions. At the time of coating, the plaster must be completely dry on the entire surface and sufficiently solid.

Other suitable surfaces:

Lime plaster (Plc), Lime based cement plaster (PII), Cement plaster (PIII):

Use BEECK ETCHING FLUID for removing sinterskin from new plasters and cleaning old plasters. Thin BEECK ETCHING FLUID with 3 to 5 parts water, apply by brush and after a few minutes carefully rinse with plenty of water.

Absorbent plasters must previously be fixated with BEECK FIXATIVE thinned with 2 to 3 parts water.

Superficially crumbly or sanding, but recoatable plasters should be solidified by flow coating several times to saturation.

Clean chalking silicate or lime coatings with high-pressure water jet and solidify with BEECK FIXATIVE thinned with 1 to 2 parts water. Strip or blast old artificial resin based coatings down to the pores. For further treatment, if any, use BEECK BONDING COAT or BEECK QUARTZ FILLER.

Deficient surfaces require a special treatment.

Unsuitable are gypsum or clay based surfaces that cannot be silicified or that have been treated to form film. The base e.g. of historical buildings exposed to salt should be renovated using a renovation plaster system acc. to WTA¹⁾ directive.

¹⁾ WTA Scientific-Technical Association for Building Maintenance and Monument Preservation, non-profit organization.

Auxiliary products:

BEECK ETCHING FLUID for removal of sinterskin from new plasters and for cleaning old plasters.

BEECK QUARTZ FILLER P fiber-reinforced slurry powder additive for grain-enriched base and intermediate coats.

Mix 1 container BEECKOLIT (12.5 l) with 4 kg BEECK QUARTZ FILLER P and thin with approx. 2 to 4 kg BEECK FIXATIVE. Apply evenly with a mineral paint brush.

BEECK QUARTZ FILLER silicate based, fiber-reinforced slurry base coat for covering hair cracks and minor structural deficiencies. Non-film forming and extremely long-lasting. Apply by brush.

Safety Instructions and Disposal:

► Hazard Class: not subject to identification requirements under Toxic Chemicals Ordinance/EC Directive.

BEECKOLIT is alkaline. Protect skin and eyes from contact. Carefully cover all surfaces not to be treated, especially glass, ceramic and anodized surfaces. In case of accidental contact, immediately rinse with plenty of water. Keep out of the reach of unauthorized persons.

Disposal of product remainders according to legal regulations. Disposal of empty containers through resource collection points.

► Waste Code: Product and Product Remainers (European Waste Code): 080199 (Coatings).

It is our objective to provide, through this technical information, advice based on our skills and practical experience. Any instructions given are non-binding and do not release the user from his or her liability to check for product suitability and application methods him/herself with regard to the surface used. Technical modifications may result from product development. Upon publication of a revised or new version, these instructions will automatically lose their validity. The details contained in the EU Safety Data Sheets in their current form dictate liability for classification in terms of the Hazardous Substances Regulation, disposal etc.