

SILICATE

HISTORICA FKW

Silicate interior paint



MAIN ADVANTAGES

- Product has been classified as mineral
- Good coverage
- Exceptional vapour permeability
- High adhesion to substrates
- High resistance to wet scrubbing
- Natural resistance to mould and fungal growth
- For use on mineral substrates

AREAS OF APPLICATIONS

Solvent-free and water-thinnable potassium silicate based paint for applying protective-decorative interior paint coatings in buildings, especially for restoration of historic buildings and eco-friendly construction. The product is completely free from any preservatives and softeners. It features good coverage, resistance to wet scrubbing and high vapour permeability. Used to apply renovation and first paint coatings to mineral substrates (e.g. concrete, lime plaster, lime-cement plaster, cement plaster), while the newly made mineral substrates do not require whitewashing or priming and can be coated with paint after 14 days from the date of application. The amount of organic substances in the paint is below 5% acc. to DIN 18363.

TECHNICAL SPECIFICATION

Base binder: potassium water glass.

Pigments: titanium dioxide white powder and coloured pigments;

Content of volatile organic compounds (VOCs): Cat. A/a. The product contains less than 30 g/l VOC.

Density: ca. 1.65 g/cm³;

Colours: natural white and pastel colours from the KABE colour chart or according to samples provided / to be obtained by adding non-organic pigments/

Gloss level: deep matt;

Diluent: water;

Average coverage: approx. 0.22 l/m² on a smooth substrate, at two layers, coverage depends on the substrate and the application method.

Temperature of application (air and substrate): from +8°C to +25°C;

Relative humidity: below 80%;

Resistance to wet scrubbing: class II (acc. to PN-EN 13300);

Vapour permeability: S_d = 0.002 m (Class V1);

Water absorption: w = 0.12 kg/m² o h^{0.5} (Class W2);

Packaging: Single-use plastic packing of 10 and 5l;

Storage: The product should be stored in its sealed packaging in a cool room. Keep out of the reach of children.

Shelf life and storage conditions: 12 months from the date of manufacture.

APPLICATION METHOD

SUBSTRATE PREPARATION: Apply to a sound/stable and clean (without scratches and cracks), mineral, degreased, even, dry and biological or chemical efflorescence free substrate. For new mineral substrates allow at least a 2-week seasoning time. The remnants of adhesive or lime paints should be thoroughly removed and the substrate washed and dedusted. Old and/or dirty substrates should be washed off and degreased with water and **CLEANFORCE** cleaning agent. Stains and dried water stains should be initially covered with **MILAMAT** stain blocker. Mould and/or fungal growth places: clean by mechanical means, rinse with water and disinfect with **ALGIZID** agent. Any layers not bound to the substrate (i.e. loose renders of flaked coatings) should be removed. Uneven areas and holes in the substrate: small, up to 5 mm - smoothen the whole surface with **KOMBI FINISZ G5** levelling compound; larger holes prior to smoothening should be filled with **KOMBI FINISZ G12** levelling compound or **MINERALIT RESTAURO W12** lime mortar. Newly made substrates should be seasoned depending on the thickness of its layer, assuming one drying day per 1 mm of layer applied.

PAINT PREPARATION: Immediately prior to application stir thoroughly, if necessary add a small amount of potable water adding 10% of volume for the first painting and 5% for the second one (when determining the amount of water, it is necessary to take into account the type of substrate, drying conditions and application method). **Note:** Directly before applying paint, surfaces made of material susceptible to alkalis (such as wood, metal, glass or clinker brick) must be protected against splashing.

APPLICATION: Paint should be applied on the substrate in two layers with a brush, roller or by spraying (including the 'airless' method) It is recommended to use a fleece paint roller with a bristle length of 18 mm. The second coat can be applied only after the first one is completely dry. **Note:** The product is alkaline, therefore, it is necessary to protect eyes and skin. Safety clothing (PPE) must be worn while carrying out any work. In case of contact with eyes, immediately rinse them thoroughly with plenty of water. If irritation develops, seek medical assistance, show packaging or label.

DRYING: Drying time for one layer applied on a substrate is about 3 hours (at +20°C and relative air humidity of 55%). Closed rooms should be aired until the specific smell disappears. **Note:** Setting time may be longer due to low temperatures and high relative humidity.

USEFUL HINTS: To avoid colour differences, a single batch product should be applied to entire facade or element in one working cycle. Application and setting of paint requires air temperatures above +8°C. All tools must be cleaned with water after finishing work. **Note:** Low temperature and high air humidity may have a negative impact on final shading.

ADDITIONAL OPTIONS: When applying the paint on substrates with scratches up to 0.3 mm wide (such as shrinkage cracks in mineral render), it is recommended to use a microfiber-reinforced paint for the first painting (option available on order).