

TECHNICAL DATA SHEET

SILICATE PAINT 002

Silicate facade paint



Areas of application

Paint on the basis of potassium waterglass, intended for painting facades and interiors. Incorporated in the TURBO and TURBO-W thermal insulation systems by KREISEL Paint with the highest vapor permeability. Ideal for renovating historic buildings. It is part of the KREISEL renovation system. As a result of the silication process, it perfectly combines with a mineral substrate. Thanks to hydrophobization it is resistant to water and driving rain.

Properties

- Waterproof
- Frost-proof
- Resistant to biological aggression
- Vapor-permeable
- Crystalline tie with the groundwork
- UV resistant
- Good coverage
- High mechanic durability

Application procedure



Technical data

Item number	315080	315081
Packaging		
Quantity per unit	5 L/unit	15 L/unit
Unit per pallet	80 unit/Pal.	33 unit/Pal.
Colour	coloured	
Gloss level	matt	
Consumption	approx. 0,225 L/m ²	
Density	approx. 1,45 g/cm ³	
Resistant to wet scuffing	≥ 5000 cycles	

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Item number	315080	315081
pH value	9	
sd-value	approx. 0,031 m	
Drying time	12 h	

Material base

- Titanium dioxide
- Mineral fillers
- Additives
- Pigments
- Water
- Potassium water glass
- Polymer dispersion

Application conditions

Apply in temperatures from +5 °C to +25 °C, these temperature refer to air, groundwork and product temperature. Groundwork must be cleared from dust, grease, anti-adhesive solutions, paint residue, mold, algae, moss, etc., free from cracks and saline efflorescence.

Surface

Surface of absorptive and dusty beds needs to be strengthened with the use of GRUNTOLIT-SO 305 agent or RENOVATION PRIMER 950 or an appropriately diluted IMPREGNATION FLUID 900. Symptoms of biological aggression should be eliminated. Repair all cracked and scratched surfaces with the 428 leveling grout or other, suitable for the groundwork type. The grout in the repaired sites must be completely dry and fixed. Cover all surfaces which are not intended for painting before the application of primers

Cement-lime plaster: Prime with REMONT GRUNT 950 or IMPREGNATION LIQUID 900 (diluted 1:2).

Gypsum plaster: prime with GRUNTOLIT-SO 305

Concrete, reinforced concrete: Prime with REMONT GRUNT 950 or IMPREGNATION LIQUID 900 (diluted 1:2).

Fresh mineral plaster: Apply directly (after a minimum of 14 days of plaster drying)

Old thin-layer mineral and dispersion plasters: prime with GRUNTOLIT-SO 305

Preparation

Ready-to-use product. Do not dilute with water or mix with other materials. Mix thoroughly before use. Before applying, check if the color matches your order. Products marked with a sticker with the inscription: Base B or Base C or Base D are semi-finished products intended for further coloring. In order to obtain appropriate color intensity, good coverage and avoid color differences, they require pigmentation. Using them without pigments is not allowed. Slight color deviations from the sample are possible. For large areas and critical color tones, a test should be carried out after drying to check the color match of the paint.

Application procedure

Apply the paint with a roller, brush or using a spray-application unit. The average drying time is 12 hours. Protect against precipitation, direct sun rays, wind and frostbites during application and drying. The use of scaffolding covers is recommended

Instructions

Paint in a continuous manner on one surface, do not allow any parts of the painted surface to dry out in the process to avoid visible lines. Use paint from one production batch on one surface. Apply the next layer after a minimum of 12 hours of drying of the previous layer. Adverse conditions (high humidity, low temperature) can considerably extend the drying time. Paint mineral plasters after minimum 7 days of drying up, with regard to dark colours with reflectance of <25% it is advisable for the bed to dry up two times longer. Paint other beds based on cement (plasters, finish) after 28 days of drying up, plasters and gypsum finish after 14 days of drying up, concrete after approx. 6 months. Falling fogs, when the coating is not dry enough, work as a raining drizzle and may cause patches and discolourations. Intense colours with light reflectance value Y < 25% should be used

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on small surfaces of facades. Their use on entire surfaces results in accelerated ageing of coating due to intense heating and high thermal stress. Clean tools with clean water immediately after finishing work.

Storage

Up to 24 months from the date of manufacture. Keep dry and in the original packaging at a temperature of +5 °C to +25 °C.

Label



General information

This product data sheet replaces all its previous versions. The information, included in this technical card, represents our current knowledge and practical experience. This is general information only which shall not obligate the manufacturer to take any responsibility either for workmanship or for the manner of use. For there may be differences and specific execution conditions. The product shall be applied in accordance with required technical knowledge and OHS rules. Avoid contact with skin and protect eyes. In case of contact with eyes, rinse them up with a large quantity of clean water and consult a doctor. It shall be recommended to use gloves, safety goggles and protective clothing.

All technical data listed in this product specification has been determined under laboratory conditions.