

TECHNICAL DATA SHEET

NANOTECH PAINT 006

Nano-particle silicone facade paint



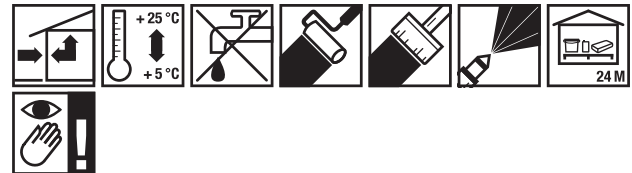
Areas of application

Paint on the basis of nano-particle silicone emulsion, intended for painting facades and interiors. Incorporated in the TURBO thermal insulation systems by KREISEL A hydrophobic paint with very good self-cleaning properties, making it highly resistant to dirt. Additionally, the included special additives increase biological resistance. This paint is an ideal solution for facade renovation, in biologically loaded areas (close to forest areas, water reservoirs and places with poor sunlight). Ideal for concrete beds.


Properties

- Waterproof
- Frost-proof
- Vapor-permeable
- Good coverage
- Hydrophobic
- UV
- Self-cleaning properties
- Resistant to biological overgrowth

Application procedure



Technical data

Item number	315135	315136
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	
Water vapour permeability	≥ 70 g/m ² 24h	
Water vapour diffusion	≤ 1630	

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Density	approx. 1,5 g/cm ³	
Resistant to wet scuffing	≥ 5000 cycles	
Drying time	12 h	

Material base

- Additives
- Water dispersion of acrylic polymer
- Pigments
- Water
- Silicone resin

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-reinforce very absorbent and dusting groundworks with GRUNTOLIT-SO 305 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 GRUNTOLIT-SO 305

Gypsum plaster: prime with GRUNTOLIT-SO 305

Concrete, reinforced concrete: prime with GRUNTOLIT-SO 305

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

Gypsum plasterboards: 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, concretes 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 on small surfaces of facades. Their use on entire surfaces

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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.