

Alsicolor Si

Silicate emulsion paint for mineral substrates



AREAS OF APPLICATION

Facade paint for high water-vapour permeable mineral and silica-based textured renders.

Decorative surface design for alsecco facade systems.

Not suitable for resin renders or latex paints.

PRODUCT PROPERTIES

- Particularly suitable for the restoration of listed buildings
- Highly water-vapour permeable, highest diffusion current density according to DIN EN 1062
- Highly water-vapour permeable
- High degree of opacity
- Matt
- Natural protection against algae and fungi
- Airless spraying possible

TECHNICAL DATA

Binder base	Potassium silicate Acrylic resin dispersion
Classification in acc. with BFS data sheet 26:	Class B Pigment group 1 (for all colours in the alsecco Creativ-Color-System 2.0 marked with *) Pigment group 2 or 3 (for colours in the alsecco Creativ-Color-System 2.0 not marked with *, classification upon request)
Specific gravity	approx. 1,5 g/cm ³
Diffusion-equivalent air-layer thickness	s _d : approx. 0,03 m according to DIN EN ISO 7783 Class V ₁ (high) according to DIN EN 1062
Water permeability	w: approx. 0,2 kg/(m ² h ^{1/2}) according to DIN EN 1062 Class W ₂ according to DIN EN 1062
Opacity	approx. 94,8 %

VOC value EU limit value for the VOC content of this product (cat.A/c): 40 g/l (2010). This product contains a max. of 40 g/l VOC.

APPLICATION INSTRUCTIONS

Preparation	Diligently cover glass, ceramic, brick, natural stone, varnished, glazed and anodised surfaces. Remove splashes immediately with water.
Substrate pre-treatment	All substrates must be dry, stable, clean and free of any residue, which can reduce adhesiveness. Prime highly absorbent substrates with impregnating primer Si .
Mixing	Ready to use Can be diluted with a max. of 3 % water.
Application	Apply at least two coats of Alsicolor Si with a brush or roller. Spray application is also possible. For intensive or dark colours we recommend applying a base coat for full coverage in a suitable shade or tinting the top-coat render in line with the colour you want to achieve. Additional coats beyond the regular build-up may be required.
Consumption	approx. 150 - 250 ml/m ² per layer Determine the precise material requirements by means of a trial coating on the object.
Information about the weather	Temperatures below + 8 °C may not arise during application and drying.
Drying time	approx. 2 - 6 hours Dependent on temperature and relative humidity.
Cleaning of tools	In a fresh state with water.

STORAGE

Shelf life in original sealed packaging of at least 6 months when kept cool and protected against frost.

PACKAGING INFORMATION

Colour	White and pigmented.
Packaging unit	PP bucket approx. 15 l

OTHER INFORMATION

This product is devised on a high quality level. Nevertheless, microbial infestation cannot be completely ruled out in the case of high biogenic potential. In this case, please consult a professional.

If dark colours have been applied, mechanical stress can cause lighter streaks to appear on the surface (writing effect). This is a product-specific characteristic (common to all matt façade paints) and does not have any bearing on the quality and functionality of the product.

If the substrate is dense and cool or if the drying process is delayed due to adverse weather conditions, the effect of moisture (rain, dew, mist) can cause additives to rise to the surface of the coating. The effect is dependent on the intensity of the colour. These additives are water-soluble and are automatically removed with sufficient water, e. g. in the course of further weather. This does not impair the quality of the dried coating.

Information on safety	The information provided in the current safety data sheet applies.
Transportation	Not a hazardous material
Giscode	M-SK01 1 K-silicate paints

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The above information is based on many years of experience and tests and is provided by us to the best of our knowledge. Such information applies in addition to our application guidelines. However, we cannot accept any responsibility for the correctness of our recommendations on account of wide variety of substrates and of on-site conditions and applications which are outside our control. Any recommendations provided by our employees and deviating from these documents must be given in writing. We reserve right to make any changes on account of technical progress or building regulations. Your technical advisor will be pleased to provide the relevant product data sheets.

