

TECHNICAL DATA SHEET

LAVAPAIN SILICATE Silicate-based paint for outdoor and indoor use

DESCRIPTION

LavaPaint Silicate is a special waterglass-based paint with excellent breathability, so that moisture is not trapped inside the masonry. It is based on a new generation aqueous dispersion of stabilized potassium silicate, suitable for indoor and outdoor spaces, and is fully compatible for applications in buildings of historical or architectural value. It presents very high coverage and whiteness, with reflective properties in solar radiation and excellent resistance to weather conditions. It reacts and creates a chemical bond with the substrate, ensuring excellent adhesion, while its inorganic mineral nature makes it invulnerable to UV radiation, keeping the shades unchanged over time. Its special formulation without ammonia, preservatives and hazardous substances such as heavy metals, free formaldehyde, and aromatic hydrocarbons makes it ideal for application in all indoor residential or construction areas. Its high breathability contributes to maintain a healthy and pleasant microclimate in all living or working areas and at the same time provides, in combination with its special composition, antialgae, antifungal and antibacterial properties. It has excellent workability without spluttering, while its excellent spread makes it an ideal choice for spatulated surfaces, providing a beautiful mineral matte finish. With zero content of Volatile Organic Compounds.

APPLICATION AREAS

LavaPaint Silicate is suitable for any kind of inorganic structural surfaces. Ideal for use both indoors, such as homes, offices, etc. as well as in outdoor spaces and on surfaces such as plaster, masonry, trowel-finished surfaces, cement-boards, plaster-boards, etc.

APPLICATION INSTRUCTIONS

Surface preparation

The substrates must be dry, clean, and free of dust, oils, loose materials, etc. Inorganic unpainted surfaces or painted with inorganic coatings surfaces must be carefully cleaned, de-papered and then primed with **LavaPaint Silicate Primer**. Surfaces which acrylic, plastic, elastomeric or gloss paints have been applied should be thoroughly sanded until pores appear on the surface or alternatively the old paints are removed. Sensitive surfaces such as glass, aluminum, marble, painted or varnished surfaces etc. must be protected and covered.

Application

LavaPaint Silicate can be applied diluted to a maximum value of 5% pure water. It is applied by roller, brush or spray. Before application, the product must be stirred very well. Special care must be taken not to overlap areas that have already begun to dry with fresh paint. The edges and finishes of the surfaces to be painted should be painted using a brush. The joining must be done during the painting of the rest of the surface "liquid on liquid".

CONSUMPTION

100-150 ml/m² per coating (depends on the dilution rate and surface absorbance).

DRYING

Drying time is approximately 1h at 20°C. Recoat interval time is 6-8 hours. Drying time depends on the environmental conditions (temperature, humidity).

PACKAGING

Available in plastic containers of 0.75L, 3L, and 10L.

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LIMITATIONS

Do not apply the product when the ambient temperature and/or the substrate temperature is below 5°C or above 35°C.

SAFETY

Read carefully the label of the product before use. Detailed instructions regarding hazards and safety are provided in the Safety Data Sheet, which is available upon request.

CLEANING

After each use, clean the tools only with water.

STORAGE

Stored in places protected from frost, heat and sun for at least 12 months from the date of production.

NOTICE

The technical information and instructions provided in this datasheet referring to the

application and end use of PROLAT products are based on the company's expertise and experience with the products to date. They are provided in good faith under the condition that the products are stored, used, and applied in accordance with PROLAT's instructions. However, given our inability to directly oversee conditions at construction sites or during product application, the company cannot guarantee the suitability of its products for specific purposes, nor does it assume any legal responsibility based on the information provided in this brochure, whether written, oral, or otherwise communicated. Users are advised to conduct a small test to assess the suitability of the products for their intended application and purpose of use. The company reserves the right to modify the properties of its products without prior notice.

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Technical Data: (at 23°C and 50%RH)

Type	Water-based potassium silicate emulsion
Appearance	Milky
Viscosity	90-95 KU
Density	1,49-1,51 g/cm ³
Thinning ratio (% v/v)	Up to 5% with water
Consumption	100-150 ml/m ² per coating (depends on the dilution rate and surface absorbance)
Storage	In a dry and cool place (5-35 °C) for at least 12 months in its own closed package
Volatile Organic Compounds (VOC)	EU limit value for this product (Cat. A/a and A/c): 30 g/L and 40 g/L. The product does not contain VOCs.

