

SOL - SILIKAT

Universal silicate paint for mineral substrates.

PRODUCT DESCRIPTION.

SOL-SILIKAT is a matt, water-based and odorless silicate paint for exterior and interior use with very good water vapor permeability. Complies with DIN 18362 part. 2.4.1 (dispersion silicate paint) with respect to the content of acrylate binders and diffusion openness.

SOL-SILIKAT is recommended not only for new plaster, concrete and burned brick but also to repaint and restore old paint.

Mineral substrates earlier painted with facade- and plaster paints containing akrylates or alkydes can with advantage be painted with SOL-SILKAT to improve vapor diffusion openness.

SOL-SILIKAT adheres very well to organic substrates.

SOL-SILIKAT is an ecological, durable and economical silicate paint based on natural substances.

SOL-SILIKAT can be delivered in white (NCS 0300-N) and black (NCS 8500-N) and also bright colors of grey, yellow and green.

Only oxide- and earth pigments are used for optimal lightfastness.

APPLICATION AREAS

Surfaces/Substrates	Exterior	Interior	Notes.
Cement plaster	X	X	
Lime/Cement plaster	X	X	
Lime plaster.	X	X	
Thin plaster	X	X	
Concrete facades	X	X	Concrete floors only when interior and when small loads. For dustbinding se WATERGLASS and SOL-PRIMER.
Light concrete and burned brick	X	X	
Clay-plasters			See KRISTALLAT
Paper/plaster board		X	
Wood		X	Enhanced fire protection.

The surface to be painted must be dry, be free from dirt and be well bonded.

SOL-SILIKAT is recommended for unpainted surfaces as well as surfaces with old paint. SOL-SILIKAT is very suitable for renovating old silicate-, lime or lime/cement. But also for renovating old plaster- and facade paints containing acrylates or alkyd-oil to improve the vapor diffusion openness of the substrates. New plaster should dry out and carbonate for at least 2 weeks.

PRODUCT PROPERTIES.

With a minimum of acrylate (2 % i SOL-SILIKAT) and a modified waterglass very good physical adhesion on old paint with high levels of acrylates and alkyd oils is obtained.

On mineral substrates the binder water glass will react chemically through carbonatization and silicization and generate micro crystalline and open and not film forming structure. These chemical reactions are taken place between the carbon dioxide in the air, the mineral substrate and the water glass.

SOL-SILIKAT generates lightfast colors on mineral facades with high scrub resistance and resistance to acid rains. By its high alkalinity SOL-SILIKAT generates a sustainable protection against growth of fungus and algae.

INSTRUCTIONES.

Pretreatment of the substrate.

The substrate must be dry and clean . Loose areas and particles , pollutants, oily substances ,fungus and algae must be removed. Substrates with old lime particles must be removed mechanically with a brush or similar.

Major holes and cracks can be renovated with a mixture of SOL-SILIKAT and fillers like crushed marble. Use SOL-PRIMER or WATERGLASS as pretreatment when substrate has loose particles, is porous and always on new plaster and substrates with lime residues. Apply SOL-PRIMER or WATERGLASS until substrate is saturated.

For substrates exposed to severe moisture and weathering conditions LOTUSIL silicate paint is recommended due to its strong water repelling capacity.

Use of SOL-SILIKAT

Stir SOL-SILIKAT before use. Can be diluted with WATERGLASS or SOL-PRIMER. Not water. SOL-SILIKAT is applied with brush, roller or airless spraying. Apply two coats to achieve full coverage. The SOL-SILIKAT paint shall be applied with cross like strokes and wet in wet.

Conditions.

Air and substrate temperature $> + 5^{\circ}\text{C}$ and relative humidity $< 80\%$. Do not apply in direct sunlight or onto sun heated substrates. Protect coated surfaces from rain and direct sun light during and after application.

Drying time.

Drying time is 8 hours between the coats.

Consumption.

Consumption is 1 Liter per 5-6 m² depending on substrate structure, pretreatment and way of application.

Cleaning of tools.

Tools are easily cleaned in water.

PRODUCT SPECIFICATION

Content: Potassium waterglass, pigments, filler, polymer (2 %) and water.

PH: 11

Density: 1,45 kg/liter.

SOL-SILIKAT is delivered in plastic containers with 9 liters (13 kg) and 3 liters (4,3 kg). Unbroken container has a shelf life of 2 years. Must be stored frost-free.

SOL-SILIKAT can be delivered in white (NCS 0300-N) and black (NCS 8500-N) and some weak standard colors of yellow and grey as showed on web site www.alabasterfarg.se
200 ml color samples are available for at site evaluations.

SECURITY and ENVIRONMENT

<p>Warning </p> <p>Irritates the skin Causes serious eye damage.</p> <p>Wash your hands thoroughly after use.</p> <p>Wear protective gloves, eye protection and protective clothes.</p> <p>BY SKINCONTACT: Wash with lots of soap and water.</p> <p>BY EYECONTACT: Rinse carefully with water for several minutes. Remove contact lenses if possible. Continue rinsing.</p> <p>Contact immediately POISONINFORMATION CENTER or medical doctor.</p>
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SOL-SILIKAT, WATERGLASS and SOL-PRIMER react with glass so windows and ceramics must be protected.

Residues and containers are deposited at local environment- and recovery site.

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