

SILIKAT

Genuine silicate paint for exterior and interior painting according DIN 18363.

PRODUCT DESCRIPTION.

SILIKAT is a matt, water-based and odorless silicate paint for outdoor and indoor 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.

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

SILIKAT can be produced in grey, anthracite, black, yellow, red, green and blue colors with absolutely lightfast inorganic pigments and mineral fillers.

APPLICATION AREAS

Surfaces/Substrates	Exterior	Interior	Notes.
Cement plaster	x	x	
Lime/cement plaster	x	x	
Lime plaster	x	x	Pretreat with PRIMER to reduce absorption power.
Thin plasters (hydrophilic)	x	x	Not on water repellent thin plasters.
Concrete walls	x	x	Pretreat with WATERGLASS for dustbinding.
Concrete floors		x	Use SILIKAT paint only for indoor private concrete floors. See separate instructions about grinding and treatment of concrete floors. Old as well as new.
Light concrete and burned brick.	x	x	Pretreat with PRIMER to reduce absorption power.
Clay-plasters			Pretreat with PRIMER to reduce absorption power.
Paper/Plaster board		x	
Wood		x	SILIKAT will give enhanced fire protection.

The mineral substrate (surface) to be painted must be dry, absorbent (have capillary suction) and be well bonded. Be clean and free from dust and grease and plastics.

Substrate with old silicate-, lime- or lime/cement paint can be painted with SILIKAT.

Also suitable on substrates with minor residues of old coatings of plaster- or façade paint. Check with water that substrate is absorbent. If not the existing residues absorb water it must be mechanically removed. Alternatively paint with SOL-SILIKAT (see separate product information).

SILIKAT is not suitable on film forming coatings which obstruct water vapor diffusion or coatings susceptible to saponification.

New plaster should dry out and carbonate for at least 2 weeks.

SILIKAT can also be applied on paper/plaster boards and wood indoors.

PRODUCT PROPERTIES

With a minimum addition of acrylate (2 % in SILIKAT) physical adhesion and flexibility is enhanced but vapor diffusion openness is maintained at highest level.

The binder in SILIKAT is water glass which through carbonatization and silicization generates a 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.

SILIKAT generates lightfast colors on mineral facades with high scrub resistance and resistance to acid rains. SILIKAT is somewhat water-repellent and weakly hydrophilic (water loving). By its high alkalinity SILIKAT generates a sustainable protection against growth of fungus and algae.

SILIKAT is environmentally friendly –neither solvents nor biocides are needed.

INSTRUCTIONS**Pretreatment of the substrate.**

The substrate must be dry , clean and have capillary suction capacity. 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 SILIKAT and fillers like crushed marble. Use PRIMER or WATERGLASS as pretreatment when substrate has loose particles, is porous and always on new plaster and substrates with lime residues. Apply PRIMER or WATERGLASS until substrate is saturated.

When the substrate is porous and strongly absorbant pretreat with undiluted PRIMER.

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

Use of SILIKAT

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

Conditiones.

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 4-6 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.

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.

SILIKAT can be delivered in 30 different standard colors as showed on web site www.alabasterfarg.se
200 ml color samples are available for at site evaluation.

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>
--

SILIKAT, WATERGLASS and PRIMER react with glass so windows and ceramics must be protected. Residues and containers are deposited at local environment- and recovery site.

ALABASTER farg AB
www.alabasterfarg.se
mans@alabasterfarg.se
+46 734 272888

Since there are different conditions present at each occasion ALABASTER farg AB can't be held responsible for other information than the information given in this product overview. Examples of conditions outside the liability of ALABASTER farg AB are information about construction, influence from other products, workmanship and local conditions. It is recommended to make tests when there are uncertainties or consult ALABASTER farg AB for advice.