

LOTUSIL

Genuiene Silicate paint with strong water- and dirt rejection.

PRODUCT DESCRIPTION.

LOTUSIL is a modified genuine silicate paint which is whether resistant and dirt rejecting.

LOTUSIL is an ecological, durable and economic silicate paint based on natural substances.

LOTUSIL is a matt, water based and odor free paint which is enhanced with a water rejecting silicate polymer. Intended for exterior applications mainly. It has strong water-and dirt rejecting properties while maintaining high water vapor and carbondioxid diffusion openness. Contains a minimum of acrylate binder for enhanced adhesion and flexibility. Complies with DIN 18362 part 2.4.1 (dispersion silicate) with respect to content of acrylate and diffusion openness.

LOTUSIL can be produced in unique grey, anthracite, black, yellow, red, green and blue colors with absolute lighfast inorganic pigments and fillers.

APPLICATION AREAS

Substrates	Exterior	Interior	Notes.
Cement plaster	x	x	
Lime/Cement plaster	x	x	
Lime plaster			
Thinplaster/reinforced (hydrophilic)	x	x	Not on water rejecting thin plaster (containing much plastic)
Concrete facades	x	x	Only for interior floors with minor loads. Se PRIMER and WATERGLASS for dust binding of floors.
Light (aerated) concrete and burned brick..	x	x	
Clay-plaster			See KRISTALLAT
Paper/Plaster boards.		x	

The mineral substrate (surface) to be painted must be dry, absorbent (have capillary suction) and be well bonded. And be clean and free from fat, oil and plastics (polymers).

Surfaces with old silicate-, lime or lime/cement paints can with advantage be painted eith LOTUSIL. And Also suitable on substrates with minor residues of old facades and plaster paint. Check with water that substrate is absorbent enough.

Not to be used on:

- substrates with old synthetic silicone paints
- other film forming coatings that obstruct water vapor diffusion
- coatings susceptible to saponification.

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

PRODUCT PROPERTIES.

LOTUSIL makes rain and water pearl off the facades whereby the water droplets rinses the facades from dirt and the facade is protected against unnecessary penetration of humidity.

The binder in LOTUSIL is waterglass which through carbonatization and silicatization generates a micro crystalline and open and not film forming structure.

LOTUSIL gives highest light stability and generates on mineral substrates a surface with high scrub resistance. Due to its high alkalinity LOTUSIL generates protection against acid pollution and growth of fungus and algae.

LOTUSIL is water-based, odor free and neither organic solvents nor biocides are added.

INSTRUCCIONES

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.

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

Use of LOTUSIL

Stir LOTUSIL before use. LOTUSIL can be diluted with WATERGLASS or PRIMER, not water. LOTUSIL is applied with brush, roller or airless spraying (afterwork with brush is recommended). Apply two coats to achieve full coverage. The LOTUSIL 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 surfaces.. Protect coated surfaces from direct sun light, wind and rain during and after application.

Drying time

Drying time is 8 hours between strokes.

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, fillers, polymers (3 %) and water.

PH: 11

Density: 1,5 kg/Liter.

LOTUSIL is delivered in plastic containers with 9 liters (14 kg) and 3 liter (4,5 kg). Unbroken container has a shelflife of 2 years. Must be stored frost-free.

LOTUSIL 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.

Special colors can be developed on request.

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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LOTUSIL, WATERGLASS and 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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