Facade Silicate

Product properties



Full-matt Sol-Silicate paint for mineral facades. Facade Sol-Silicate is suitable for both new buildings and old historic buildings with lime mortar in the substrate. Provides the most diffusion-open surface with good weather resistance. Indoors for premises with medium functional requirements that are subject to light soiling and use-related wear and tear.

- **Easy to use**
- **Full matt mineral appearance**
- **Extra diffusion-open**

Labelling

BASTA ALPHA

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The product is a declared item in the Supply Chain Declaration Portal (SCDP) for New Buildings generation 4.

Product use

Used for surface treatment of primarily mineral facades, e.g. lime plaster, lime cement plaster, cement plaster and previously silicate painted substrates.
The paint is suitable for indoor application on substrates requiring high vapour permeability, e.g. basements and walls retrofitted with mineral insulation panels.
Can also be used on surfaces previously painted with matt acrylic or silicone paint.
The substrate must be primed with silicate primer or previously treated.

Substrate

Must be clean, dry, firm and suitable for surface treatment.
The surface must be completely dry containing no heavy chalking and efflorescence.
New untreated mineral substrates and plaster must cure at least 4 weeks before treatment.
Thin-plastered bricks must be treated after 2 years at the earliest.
Leaching of salts and other water-soluble components must be completed.
Rising ground moisture or moisture from water traps, cracks, protrusions, uncovered wall crowns or other construction details must not occur.

Treatment

Remove precipitates, loose material and paint by washing and cleaning.
Dirt, grease and chalking material should be removed using Façade Clean.
Algae, mould and mould growth are removed by cleaningwith Façade Algae Remover.
Larger cracks and other damage must be filled with lime/cement-bound material.
Prime new substrates and absorbent surfaces with Flügger Facade Silikatprimer.
Apply 1-2 coats. Some colours require additional treatments.
Best durability is achieved with two or more coatings.

Application
Brush, roller or spray gun.
The first coat can be diluted with max. 15% Silicate Primer, depending on the absorbency of the substrate.
The second coat is applied with Sol-Silikat undiluted.
Decide on your mode of application according to the desired finish.
Apply uniformly wet on wet, finish by brushing in the same direction.
Always use the same batch no. on contiguous/unbroken surfaces.
Cold / heat can affect the viscosity of the material.
Material temperature for spray painting, min. 15°C.
Condensation during drying/curing must not occur.
Avoid working in direct sunlight and on hot surfaces.
Cold and increased humidity extends drying time, full curing and recoating interval.
Increased temperature and low atmospheric humidity reduce drying time and full curing.
Always apply test treatments to check and accept the adhesion and results.

Good practice
If repairs are needed, remove minor marks and dirt by cleaning.
Spot repairs are carried out with the same material/batch number as originally used.
Spot repairs are expected to be visible to a greater or lesser extent depending on colour, gloss, application method, surface, light and viewing angle.
Larger damages are repaired with edging around corners, joints and the like.

Expected result
Full-matt, covered surface. Expected durability outdoors 15 years.
Indoor surfaces can withstand dusting and light wiping with a damp cloth.
The durability of the surface depends on construction, how it is applied and exposure.
The expected durability can therefore be shorter or longer than stated.
Chalking from strong shades due to excess pigment may occur.
There can be differences in shades due to uneven substrates and exposure.
With repeated treatments, the surface changes shade.
Tinted shades fade within the first year.

Cleaning and maintenance
Clean the surface and repair any damage once a year or as needed.
Dirt, grease and chalking material should be removed using Facade Clean.
Algae, mould and mould growth are removed by cleaning with Facade Anti-green.

Useful Information
If the entire contents of the container are not used during a single application, it is recommended to work from a separate bucket or paint tray rather than directly from the original container, as repeated opening and exposure to air may affect the paint's properties and shelf life.
Therefore, only pour the amount of paint required into a separate bucket or paint tray.
Use plastic bags or inserts to keep the paint tray or bucket clean.
Keep the paint covered during breaks to prevent drying out.
Do not pour leftover paint back into the original container.
To minimize waste, it is recommended to pour only the amount of paint required as work progresses.
For storage, the paint may advantageously be transferred to a smaller, tightly sealed container suitable for the remaining quantity.

Quality control and special conditions

Colour
The executing party is responsible for checking and approving the selected colour, including ensuring third-party verification before the product is used.
Flawless products and tinted products cannot be returned.

Colour deviation
Tolerances related to batch, tinting and layer thickness may result in minor colour differences.
Repairs carried out with the same bucket may differ in shade if the original surface has been exposed to dirt, wear or other exposure from the surroundings and environment.

Repair
Remove minor marks and dirt by cleaning.
Repairs with paint are carried out by painting entire surfaces with demarcation up to corners, joints and the like.
Spots repair with paint can be expected to be visible to a greater or lesser extent depending on colour, gloss, application method, surface structure, light and viewing angle.
Use the same product and batch number as originally used.
Damage and repairs are repaired as necessary with suitable materials.

Please note!

Silicate primer is used to dilute Sol-Silicate paint.
Protect freshly painted surface from adverse weather conditions.
Take appropriate measures against the effects of moisture and rainfall on freshly painted surfaces.
The surface achieves maximum robustness when fully cured.
Flügger Facade Silikat meets DIN 18363, in other words, max. 5% organic materials and free from solvents.
Cover window glass, metal etc, as spattering have a dulling effect.

Environmental information

Minimize your paint waste by pre-estimating how much paint you need.
Remove as much paint as possible from tools before cleaning.
Paint and cleaning fluid must not be poured down drains, but collected and disposed of as environmental waste.
Empty and dry packaging should be sorted as plastic, metal handles should be removed and sorted as metal.
Store excess paint correctly so that leftovers can be used and environmental impact is minimised.

Storage

Cool, frost free and tightly closed

Protection equipment

Protect skin and eyes from splashes with suitable clothing, gloves and glasses.
Avoid inhalation of spray mist and grinding dust.
Wear suitable protective equipment, see safety data sheet for further information.

Technical Data

Product Type	Silicate paint
Gloss	Flat;2
Density (kgs/l)	1.6
pH	11
Nominal spreading rate (m²/ltr.)	6
Long spreading rate (m²/ltr.)	7
Short spreading rate (m²/ltr.)	5
Min. working temp. during application and drying/curing	Min. +5°C
Humidity	Max. humidity 80 % RH.
Dry to touch at 20° C, 60 % RH (Hours)	1
Recoat interval at 20° C, 60 % RH (Hours)	12
Fully cured at 20° C, 60 % RH (Days)	28
Closeness	Water vapour EN7783: Sd = 0.01 m corresponding to Class V1 High according to EN 106 Water absorption EN 7783: W24 = 0.06 corresponding to Class W3 Low cf. EN 1062-1.
Fire Class	A2 - s1, d0 in accordance with DIN EN 13 501-1 (non-combustible)
Dilution	Max 15% Silicate Primer
VOC Text	VOC limit value (Cat. A/c): 40 g/l (2010) Product VOC: max 30 g/l
Cleaning of Tools etc.	Water
Country of Origin	Germany

Current TDS Version

October 2026

Replaces TDS Version

June 2026