

# Facade Silicate

## Product properties

Full-matt silicate paint for facades. Provides the most diffusion-open surface with good weather resistance and a vibrant, changing surface. Indoors for premises with medium functional requirements that are subject to light soiling and use-related wear and tear.

- Full-matt surfaces
- Becomes vibrant and patinated over time
- Extra diffusion-open



## Product use

New untreated mineral facades such as lime plaster, lime mortar plaster and cement plaster. Can also be used on mineral surfaces indoors, e.g. living rooms, bedrooms and other living areas. The substrate must be primed or previously treated with silicate paint.

## 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 cracks, protrusions such as water traps, uncovered wall coping or other constructions 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 cleaning with Façade Algae Remover.  
Larger cracks and other damage must be filled with lime/cement-bound material.  
Prime new substrates and light chalking or absorbent surfaces using Flügger Facade Silicate Primer.  
Apply 1-2 coats. Some colours require additional treatments.  
Best durability is achieved with two or more coatings.

## Application

Brush or roller.  
Facade Silicate is thinned the first time 20 - 50% with diluted silicate primer depending on the absorbency of the substrate.  
2nd time dilute 5-10% with diluted silicate primer.  
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.  
Condensation must be prevented during drying/curing.  
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 test adhesion and result before hanging.

## Expected result

Full-matt, covered surface. Expected durability 10 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.

## Please note!

Silicate primer is always diluted 1: 1 before use for priming and diluting 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

Remove as much paint from tools as possible before cleaning.

Bring remains of fluent paint to the local recycling centre.

Minimize your paint waste by pre-estimating how much paint you need.

Keep the leftover paint for future use so you can effectively reduce the environmental impact.

**Storage:** Cool, frost free and tightly closed

## Supplementary Info

Registered in the Nordic Ecolabelling Building Products Database for products which can be used in buildings with the Swan label.

## Technical Data

Product Type	Silicate paint
Gloss	Full Matte;2
Density (kgs/l)	1.42
Solids Weight %	51
Solids Vol. %	30
pH	11.4
Nominal spreading rate (m <sup>2</sup> /ltr.)	8
Min. working temp. during application and drying/curing	Min. +5°C
Humidity	Max. humidity 80 % RH.
Drying time at 20° C, 60 % RH (Hours)	1
Recoatable 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 1062-1. Water absorption EN 7783: W24 = 1.49 corresponding to Class W1 High cf. EN 1062-1.
Dilution	Silicate primer diluted 1:1 with water
Cleaning of Tools etc.	Water

### Current TDS Version

May 2024

### Replaces TDS Version

March 2024