

Silicate Finish 1811

Silikat-Finish 1811

Single-component levelling paint on silicate basis, matt, weather-resistant, for exterior use

Properties

Weather resistant, single component, equalising facade paint silicate based. Bonds itself by silicifying with the surface, is dull matt, has good covering ability, high water vapour permeability and is very easy to apply. The mineral character of the paint surface emphasises the appearance of the architecture. With colour system quality Silicate Finish 1811, Basis 10, glaze designs in pastel colours are possible, too. Silicate Finish 1811 can, if required, be ordered as "Protect Quality" i.e. provided with film preservation.

Field of application

For weather resistant, permeable equalising coatings on mineral plasters, silicate plasters and silicate paints. Especially suitable for light mineral plaster or silicate plaster in the ETICS (external thermal insulation compound systems).

As colour system quality Silicate Finish 1811, Basis 10, the material can also be used for coloured designs on suitable mineral substrates, e.g. plaster and concrete surfaces.

On surfaces with persistent high humidity (depending on the location and construction, as well as on ETICS) there is a risk of algae or fungus infestation. For these surfaces we recommend using the "Protect Quality" of Silicate Finish 1811 (see further details about this under Note).

Material description

Standard colour:

0095 white.

A large number of other colours can be obtained from the Brillux colour system (paint mixing equipment).

Gloss grade: Matt

Material base: Potassium Water glass with organic stabilisers

Density: Approx. 1.44 g/cm³

Water vapour permeability:

$S_d (H_2O) < 0.14 \text{ m}$

corresponds to Class I

"high water vapour permeability" according to DIN EN ISO 7783-2.

Water absorption coefficient:

w-value $< 0.1 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0.5})$,

corresponds to Class III

„low water permeability“

according to DIN EN 1062-3.

Packaging:

0095 white 2.5 l and 15 l

Colour system (paint mixing equipment): 2.5 l and 15 l

Use

Thinning

If required, thin slightly with a mixture of Silicate Primer 1803 and water (mixture ratio 1:1)

Tinting

Can be mixed with suitable tinting paint (up to max. 5 %). Note that the paint will dry a lighter colour.

Compatibility

Only mixable with similar materials and those specified in this Data Sheet.

Application

Silicate Finish Paint 1811 can be applied by brush and roller.

As glaze coat, apply using paintbrush, oval 1175, or floor paintbrush 1210.

Consumption

Approx. 150 – 180 ml/m² per coat on smooth surfaces.

As an equalising coat approx 200 ml/m² with average plaster structure.

Approx. 100 ml/m² for glaze application per coat.

Exact consumption can be determined by a test application on the object to be painted.

Preparation of glaze colour

Mix Silicate Finish 1811, Basis 10, (semi-transparent) with Silicate Finish 1811, in the required colour. Mix the colour (mixing ratio approx. 3:1) with a mixture of Silicate Primer 1803 and water (mixing ratio 1:1).

We recommend painting sufficiently large test areas for assessment of the glaze effect and the appearance of the colour.

On connected surfaces, only use material from one production/mixture, provide for sufficient material.

Application temperature

Do not apply if air or object temperature is under +8°C. Do not apply under direct sunlight, in strong winds or when there is very high air humidity.

Tool cleaning

Clean tools immediately after use with water.

Drying

(+20°C, 65% rel. humid.)

Can be recoated at the earliest after 12 hours. Complete silification only occurs after several days.

Allow longer drying times at a lower temperature and/or higher air humidity.

Storage

Cool and frost free. Reseal containers tightly.

Declaration**Water danger class**

WGK 1, as specified in VwVwS

Product-Code

M-SK01

The data in the current Safety Data Sheet applies.

Building up the coating**Surface preparation**

The surface must be solid, dry, clean, load bearing and free from efflorescence, sintered layers, separating agents, corrosion promoting components or other compounds affecting intermediate layers. Check existing coatings for their suitability, load carrying and adhesive properties.

Completely remove any coatings that are not intact or unsuitable and dispose of these in accordance to the regulations. Rub down and clean smooth and dense surfaces. Remove any fungus and algae on the surface and treat with Universal Fungicide 542. (* Take due care when using biocides. Always read label and product information before use.) Treat replastered areas with a fluorine primer. If the following paint is tinted then prime the whole surface. If necessary prime the surface and / or apply an intermediate coat. For glaze-design, the surfaces must have the required qualities as regards absorptive capacity, texture and substrate colour. Also see VOB Part C, DIN 18 363, Paragraph 3.

Surface	Priming coat	Intermediate coat	Top coat
Equalising coat on mineral coatings and plasters ¹⁾		Depending on the requirement and colour Silicate Finish 1811	Silicate Finish 1811
Slightly absorbent surfaces exterior, e.g. new plaster (mortar classes Plc, PII and PIII)	Mixture of Silicate Primer 1803, water and Silicate Finish 1811 in the ratio 1 : 1 : 1	Silicate Finish 1811 or, if filling and plastering properties are required, Silicate Brush Filler 3639	
Exterior surfaces that are very and not uniformly absorbent, e.g. sanding plaster, sand-lime brickwork, porous intact mineral coatings	2x wet in damp with Silicate Primer 1803, thinned 1 : 1 with water		
absorbing mineral plasters, suitable for glaze application, e.g. plaster and concrete surfaces	1 to 2 coats Silicate Primer 1803, 1:1 diluted with water	depending on design (optional) with Silicate Finish 1811, covering, adjusted to glaze colour	1 to 2 coats Silicate Finish 1811, Basis 10, glaze-adjusted ²⁾

¹⁾ Levelling coat on mineral plaster is applied after sufficient curing depending on weather, after approx. 5 days.

²⁾ Due to exposure to weather in the exterior, apply 2 glaze coats.

Note

Coloured coats on mineral plasters in WDV system shall have a brightness reference value ≥ 20 . For coloured, covering design of white plasters, two coats of Silicate Finish 1811 are required.

Carefully cover the area around the painted surface, especially glass, brickwork and natural stone.

Fill any cracks and small holes after priming with a mixture of silicate paint and quartz sand level with the surface.

Prime plastered places. Re-plaster large damaged areas. Two coats of coloured Silicate Finish 1811 are necessary for coating white plasters.

The equalising coat can be applied when the plaster coating is sufficiently set, this is approximately after about 5 days (depending on the weather). Protect fresh silicate coatings from the effects of humidity, e.g. rain, but also from drying too fast, e.g. due to strong winds, sun light, etc.

Do not apply to heated up surfaces. If necessary, use protective covering screens.

Apply coloured coatings on mineral plasters in the ETICS with a light reference value ≥ 30 .

The material quality marked with "Protect" is provided with a film preservation against algae and fungal attack and should, therefore, only be used on the exterior.

The conserving material used minimises or delays the algae or fungus infestation risk. Facade paints with film preservation must be applied with sufficient coating thickness, we recommend that at least two coats should be applied.

In accordance with our present state of technical knowledge it is not possible to guarantee permanent protection against algae or fungal infestation (also see BFS Leaflet No. 9, paragraph 6.1, last section).

If exposed to moisture soon after application (dew or rain water), water-soluble protection colloids can be dissolved from the paint film and deposit on the coat surface (glossy stains).

Since these materials remain water-soluble, these stains will be washed off by moisture (rain) again in the course of time. To prevent this, apply the coat in good weather only.

Note the additional information in the Data Sheets of the products that are to be applied.

Additional products

- Silicate Full and Tinting Paint 1805
- Universal Fungicide 542
- Silicate Primer 1803
- Silicate Brush Filler 3639

Remark

This Data Sheet was prepared taking into account the German laws, Standards, specifications and Codes of practice. All details were translated on the basis of the current German version. The contents do not form part of a legal contract. The user/purchaser is not released from the responsibility of checking that our products are suitable for the proposed use. In addition our general business conditions apply.

When a new version of this Data Sheet appears with updated information the previous version loses its validity.

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