



# Silicate Inside Paint ELF 1806

## Silikat-Innenfarbe ELF 1806

**solvent and plasticizer freer silicate paint, suitable for persons suffering from allergies according to VOB, dull matt, white or colored, wet abrasion resistance class 3**

### Properties

Solvent and plasticizer-free, high-quality interior paint on silicate basis according to VOB, DIN 18 363, 2.4.1.1., Par. V. Without preservatives and free from fogging-active substances. In standard color white suitable for persons suffering from allergies according to test certificate no. 3.2-2046/01. Highly diffusible; corresponds to Class I according to DIN EN ISO 7783-2. Low-odor and easy to use. Combines with the substrate by way of silicification.

### Field of application

For high quality ceiling and wall coatings interior, in particular on mineral surfaces that can be silicified, e.g. plaster (mortar group Plc, PII, PIII), concrete and sand-lime brickwork. Additionally, suitable as fully tested coating build-up "Suitable for persons suffering from allergies" in combination with Brillux Woodchip Wallpaper and Master Batch ELF 9018,

### Material description

**Standard colour:** 0095 white  
Light colours can be mixed with the Brillux Colour System (paint mixing equipment).

Further colours are available on request.

**Material basis:** Potassium waterglass with organic stabilisers as specified in VOB, DIN 18 363

**Diffusion resistance equivalent air film thickness:**

$s_d (H_2O) = < 0.01 \text{ m}$

**Density:** Approx.  $1.5 \text{ g/cm}^3$

**Classification**

**as per DIN EN 13 300:**

- Wet abrasion resistance:

Class 3

- Contrast ratio:

Class 1 at  $7 \text{ m}^2/\text{l}$

- Gloss: dull matt

- max. grain size: fine

**Packaging:**

0095 white: 5 l and 15 l

Colour system (paint mixing equipment): 15 l

### Application

**Thinning**

If necessary, with water.

**Tinting**

Tintable up to max. 25% using Master Batch ELF 9018.

Note that colors are brighter when dry.

### Compatibility

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

### Application

Stir thoroughly before use, using an electric stirrer. After mixing, Silicate Interior Paint 1806 can be applied by means of paint brush, rollers and spraying

### Consumption

Approx.  $130\text{--}150 \text{ ml/m}^2$  per coat. Exact consumption can be determined by a test application on the object to be painted.

### Application temperature

Do not apply if air or object temperature is under  $+8^\circ\text{C}$ .

### Tool cleaning

Clean tools immediately after use with water.

### Drying

**( $+20^\circ\text{C}$ , 65% rel. humid.)**

Surface dry and re-coatable after about 4–6 hours. Silicification is only complete after several days.

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

**Storage**

Cool and dry. Reseal containers tightly.

**Declaration**

**Note**  
Do not inhale paint spray.

**Water danger class**  
WGK 1, as specified in VwVwS

**Product-Code:**  
M-SK01

The data in the current Safety Data Sheet applies.

**Airless-spray data**

Nozzle hole		Spray angle	Pressure bar	Thinning
Inch	mm			
0,021–0,027	0,53–0,69	40°–80°	ca. 150	ca. 5 %

**Building up the coating**

**Surface preparation**

The surface must be solid, dry, clean, load bearing and free from efflorescence, sintered layers, separating agents, corrosion promotion 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. Thoroughly wash

off limepaint. 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 put on an intermediate coat. Also see VOB Part C, DIN 18 363, Paragraph 3.

Surface	Priming coat <sup>1)</sup>	Intermediate coat <sup>2)</sup>	Top coat
Normal absorbent surfaces, e.g. lime-cement plaster, intact, matt dispersion paint, wood chip paper			
Brillux Woodchip Paper 31, 51 und 71 <sup>4)</sup>			
Very absorbent surfaces, e.g. porous, sanded plaster, concrete, sand-lime brickwork, intact Silicate Inside Paint	1 - 2x wet on damp Silicate Primer 1803 and water in the ratio 1:1	Silicate Inside Paint ELF 1806, if necessary thinned slightly with water	Silicate Inside Paint ELF 1806
Gypsum plaster, plasterboard, glossy dispersion paint	Adhesion Primer LF 3720		

- <sup>1)</sup> The primers mentioned and the Silicate Brush Filler 3639 are not tested that they are suitable for people with allergies.
- <sup>2)</sup> If filling or structure giving properties are required, use Silicate Brush Filler 3639 as an intermediate coat.
- <sup>3)</sup> Before application, reinforce soft gypsum plasters and filler masses with Lacryl Deep Penetrating Primer LF 595 or Deep Penetrating Primer 545, as required
- <sup>4)</sup> TÜV-tested as complete coating build-up "Suitable for persons suffering from allergies".

**Note****Hinweise**

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.

**Smoothing rough surfaces**

If required, level rough surfaces before building up the coat, e.g. using Hand Applying Filler LF 1884.

For renovation painting on waterborne coatings, due to the effect of moisture, it is possible in rare cases that allergic materials that may be in the surface are activated. We recommend therefore that a sample coat should be applied and should be checked on whether such reactions occur.

In the case of highly absorbing gypsum plasters, hardening will not always be sufficient. For this reason, we recommend testing the adhesion by way of an adhesive tape test (tesaband 4651), i.e. produce sample of the complete coating system, apply tape and tear it off to verify adhesion. If necessary, use deep penetrating primer for prime coating.

**Discoloring in the case of gypsum plasterboard**

If there is the risk of yellowing shining through (in the case of untreated gypsum plaster boards), apply an additional coat according to BFS leaflet no. 12, Part 2. Depending on the object situation, use Aqualoma ELF 202, Iso Primer 924 or CreaGlas 2C Acrylic Paint 3471, for example. For better assessment, we recommend samples across several boards, including joints and filled areas.

The gypsum fillers recommended by the gypsum plaster boards industry may show a particular susceptibility to moisture impact, which may result in swelling, bubble forming and flaking. For this reason, ensure quick drying by sufficient ventilation and temperature.

**Compatibility with sealant**

When paintable sealants, e.g. acrylic sealants are coated, cracks may form in the coating material due to the higher elasticity of the acrylic sealant. Additionally, discoloring of the coating may occur. Due to the great variety of coating systems which are available on the market, we recommend test applications to assess adhesion properties and application results.

**Additional entries**

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

**Additional products**

- Farbkonzentrat ELF 9018
- Adhesion Primer LF 3720
- 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.

Brillux  
PO Box 16 40  
48005 Münster  
Tel. +49 (0)251 7188-0  
Fax +49 (0)251 7188-105  
www.brillux.com  
www.brillux.de  
info@brillux.de