

## Kieselit-Grundierfarbe

Pigmented, silicate-based primer for interior and exterior applications. Dilutable with water 2 : 1.



### Product characteristics

<b>Properties</b>	<ul style="list-style-type: none"><li>• Pigmented in white</li><li>• Quartz-filled to provide a high grip for subsequent render/plaster coatings</li><li>• Adhesion promotion on organic old paint layers</li><li>• Highly diffusion capable</li><li>• Due to silification indissoluble bonding with mineral substrates</li><li>• Dilutable with water 2 : 1</li><li>• Alkali-resistant</li></ul>
<b>Areas of application</b>	Exterior and interior
<b>Suitable substrates in detail</b>	<ul style="list-style-type: none"><li>• Poor to medium absorbent substrates</li><li>• Provides firm and sound surfaces with a good grip</li><li>• Silification on mineral surfaces</li><li>• As adhesion promotion also on sound, organic substrates for following silicate based coatings.</li><li>• Not suitable for elastic and glossy substrates</li></ul>

### Material description

<b>Binder</b>	Potassium water glass
<b>Density</b>	Approx. 1.6 kg/l kg/l
<b>Maximum particle size</b>	Coarse
<b>Average consumption (short text)</b>	approx. 150 - 250 g/m <sup>2</sup> of the undiluted product
<b>Average consumption</b>	It is advisable to determine the exact consumption figure by producing a sample area.
<b>Colour shade</b>	White
<b>Gloss level</b>	Matt
<b>Storage</b>	Cool, but protected from frost
<b>Thinning</b>	Water 2:1 (2 parts by vol. of Grundierfarbe + 1 part by vol. of water)

### Substrates

<b>Suitable substrates</b>	All usual mineral substrates (plasters/renders, concrete, masonry) Adherent existing paint layers
<b>Substrate conditions</b>	The substrate must be clean, dry, frost-free, firm and sound as well as free from efflorescences, algae, moss, fungal attack, sinter layers and release agents. Follow the building regulations (in Germany VOB, Part C, DIN 18363, Section 3).

## Kieselit-Grundierfarbe

### Substrate conditions

#### Concrete

Remove forming oil, grease and wax by washing with surfactant. Remove any sintered layers mechanically. Check the absorbency of the concrete by wetting tests. In addition, the guidelines according to BFS Fact Sheet No.1 apply for exterior coatings and the guidelines according to BFS Fact Sheet No. 8 for interior coatings.

#### Base renders (exterior):

Mineral base renders must be thoroughly cured and dry, because otherwise discolouration, in particular with tinted following coats, may occur. As a rule of thumb assume 1 day drying time per mm of layer thickness, but correspondingly longer at low temperatures and high humidity. Excessive temperatures and low humidity also lengthen the setting process. Treat replastered locations with fluosilicate. In addition, the guidelines according to BFS Fact Sheet No. 9 apply.

#### Fibre-cement:

Products of fibre-cement have to be primed water based. On exterior surfaces solvent-based primers may be used as well. For constructions showing inaccessible and uncoated rear sides and edges do only use water vapour permeable coatings. Since 01.12.2012 uncoated fibre-cement panels containing asbestos must no longer be coated according to the Ordinance on Hazardous Substances (GefStoffV). For asbestos containing fibre-cement the corresponding directives (in Germany TRGS 519) referring to the handling with asbestos have to be observed.

#### Gypsum blocks

Adjust the primer to absorbency. With coatings destined to bridge capillary cracks, reinforce completely using a fleece. In addition the guidelines of BFS-Fact Sheet No. 17 apply.

#### Gypsum building boards (interior)

Adjust the primer to absorbency. With coatings destined to bridge capillary cracks, reinforce the entire surface using a fleece. In addition the guidelines of BSF Fact Sheet No. 12 apply. Ingredients which might penetrate have to be isolated before following coatings.

#### Gypsum plaster, gypsum sand plasters etc.

Remove any sintered layers. For first coatings take care of a sufficient penetration of the primer (e. g. by using a penetrating primer). Additionally the guidelines of BFS Fact Sheet No. 10 apply.

#### Aerated concrete - interior:

In case of rooms of high humidity, external walls have to be additionally treated by a moisture guard, applied onto their insides. This can be effected applying a two-component coating like e.g. Hydrolox. In addition the guidelines of BFS Fact Sheet No. 11 apply.

#### Base renders (interior):

Mineral base renders must be thoroughly cured and dry, because otherwise discolouration, in particular with tinted following coats, may occur. As a rule of thumb assume 1 day drying time per mm of layer thickness, but correspondingly longer at low temperatures and high humidity. Excessive temperatures and low relative humidity also lengthen the setting process. Treat replastered locations with fluosilicate. In addition, the guidelines according to BFS Fact Sheet No. 10 apply.

## Application

### Application method

Application by brush or roller

### Application

With prime coats it is recommended that the material is brushed into the substrate using half-length brushes. Strongly absorbent substrates need more thinning with water. Kieselit-Grundierfarbe must in any case be thinned with water.

### Application hints

Do not apply under a glaring sun, during strong wind or on warm substrates.

### Note

The figures given for parameters are average values. Due to the use of natural raw materials in our products, the actual value determined on the individual supplied product may differ slightly without affecting its suitability. These data refer to the white respectively standard product. Tinting may cause deviations.

Plasto-elastic joints should not be coated as the higher elasticity of the sealing mass might cause cracks or discolouration of the coating. In individual cases tests have to be carried out to judge the suitability.

Adjacent areas, particularly glass, ceramics, clinker, need to be masked carefully, as the product may affect the surface.

### Practical hints

#### New mineral Substrates

New mineral substrates may only be coated after setting and drying, not earlier than after 14 days, better after 4 weeks. In unfavourable drying conditions, the waiting period can be prolonged.

## Kieselit-Grundierfarbe

### Hairline Crack bridging Coatings on Gypsum Plasterboard

In correspondance with the building regulations (in Germany VOB/C DIN 18363, Section 3.2.1.2) hairline crack bridging coatings on gypsum plasterboards and gypsum fibreboards can only be realized by the additional embedding of a fleece.

### Masking Works

Always use UV-resistant adhesive tapes for exterior works. On completion of the coating, particularly with dispersion paints and / or higher layer thicknesses, immediately remove adhesive tapes, in order to avoid untidy contours.

<b>Temperature limit</b>	Between+ 8° C and + 30° C for substrate and ambient air during processing and drying.
<b>Drying time</b>	At + 20° C for substrate and ambient air and 65% relative humidity (RH), recoatable after approx. 12 hours. Lower temperature or a higher humidity extend the drying time.
<b>Tool cleaning</b>	Immediately after use with water

## Information

<b>General information</b>	Keep out of reach from children. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow to enter drains, waterways or soil. Clean tools immediately with water and soap. The coating material is highly alkaline. Therefore protect skin and eyes from paint splashes.
<b>Declaration of ingredients</b>	Polyacrylate dispersion, potassium water glass, titanium dioxide, calcium carbonate, siliceous fillers, water, additives
<b>Observe safety data sheets</b>	Further details: See Safety Material Data Sheet (MSDS)
<b>Category VOC</b>	EU limit value for the VOC contents of this product: (Category A/a) 30 g/l (2010). This product contains max.
<b>VOC content (in gram per litre)</b>	<1 g/l
<b>WHC</b>	1 (weakly water-polluting)
<b>Waste disposal</b>	Only completely emptied containers should be given for recycling. Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried hardened product residues as construction site/demolition/ municipal or domestic waste.

## Container size

Content	EAN code	Article no.
5 KG	4002822500726	754886
20 KG	4002822500702	754887

## System specific and system completing products

Kieselit-Fusion  
Kieselit-Fassadenfarbe  
Kieselit-Klassik-Silikat

This data sheet cannot deal with all types of application arising in practice. Therefore, we cannot be held responsible for their content. These instructions do not release the purchaser / applicator from his responsibility of professionally examining the substrate and determining the suitability of the product in consideration of the project characteristics. In case of queries please request the technical assistance of ALLIGATOR FARBERWERKE.