

Kieselit-Grundiermittel

Silicate-based priming and thinning concentrate, dilutable with water 1:1, for absorbent substrates indoors and outdoors. Suitable for the dilution of silicate and sol-silicate based paints.



Product characteristics

Properties	<ul style="list-style-type: none">• Dilutable with water 1 : 1• For the dilution of silicate based products• High solidification of the substrate• Regulation of the absorptivity• Highly diffusion capable• Due to silification indissoluble bonding with mineral substrates• Non film-forming• High penetration depth• Solvent-free• Anti-porosity treatment for subsequent coatings with silicate and sol-silicate products
Areas of application	Exterior and interior
Suitable substrates in detail	Medium to heavily absorbent substrates

Material description

Binder	Potassium water glass
Density	approx. 1.0 kg/l kg/l
Average consumption (short text)	approx. 50 - 130 ml/m ² of the undiluted product
Average consumption	It is advisable to determine the exact consumption figure by producing a sample area.
Colour shade	Transparent
Gloss level	Silk-mat
Storage	Cool, but protected from frost
Thinning	Water 1 : 1

Substrates

Suitable substrates	All usual mineral substrates (renders/plasters, concrete, masonry) Adherent existing mineral paint layers
Substrate conditions	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).
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.

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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.

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. Hydrofox. 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. Consolidate firm and solid, slightly absorbent substrates with Kieselit-Grundiermittel, water and Kieselit-paint in a ratio of 1:1:2. As thinner for Kieselit-paints add max. 10% of Kieselit-Grundiermittel mixed with water 1 : 1.
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.
Practical hints	Covering measures Cover adjacent areas, especially glass, ceramics, clinker, carefully, as water glass containing products may affect their surfaces.
Temperature limit	Between + 8° C and + 30° C for substrate and ambient air during processing and drying.
Drying time	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.
Tool cleaning	Immediately after use with water

Information

General information	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.
Declaration of ingredients	Polyacrylate dispersion, potassium water glass, titanium dioxide, calcium carbonate siliceous filler, water, additives
Observe safety data sheets	Further details: See Safety Material Data Sheet (MSDS)
Category VOC	EU limit value for the VOC contents of this product: (Category A/h) 30 g/l (2010). This product contains max.

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VOC content (in gram per litre) <1 g/l

WHC 1 (weakly water-polluting)

Waste disposal 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.
10 L	Transparent	4002822500504	754888
1 L	Transparent	4002822500412	755490

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 FARBWERKE.