

## Kieselit-Modellierputz

Mineral and feltable mortar, fibrereinforced, for exteriors and interiors



### Product characteristics

#### Properties

- For embedding reinforcement fabrics with heavy reinforcement
- Suitable for the application als mineral render to be modelled and felted
- Weatherproof
- High diffusion capability
- Mineral matt
- Very good application properties
- Wide range of possible textures
- Impact- and scratch-proof
- Well proven in the maintenance of old and historic buildings
- Maximum grain size: up to approx. 1 mm
- Biocide-free



#### Areas of application

Exterior and interior

#### Suitable substrates in detail

- ETICS
- Uncoated concrete
- Sound and solid, mineral old paint layers and renderings

### Material description

<b>Binder</b>	Cement Synthetic resin dispersible polymer powder
<b>Density</b>	approx. 1.25 - 1.40 kg/dm <sup>3</sup> kg/dm <sup>3</sup>
<b>Maximum particle size</b>	Up to approx. 1 mm
<b>Average consumption (short text)</b>	Approx. 1,100 - 1,300 g/m <sup>2</sup> pro mm layer thickness
<b>Average consumption</b>	The consumption varies depending on the application technique and the substrate. It is therefore advisable to determine the exact consumption figure by producing a sample area.
<b>Colour shade</b>	Natural white
<b>Storage</b>	Cool and dry on wooden grids
<b>Thinning</b>	Water

### Substrates

#### Suitable substrates

- All usual mineral substrates (renders/plasters, concrete, panels)
- Solid mineral and organic existing paint layers
- Renderings according to valid ETICS-approvals

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<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).
<b>Substrate conditions</b>	<p><b>Concrete</b> 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.</p> <p><b>Fibre-cement:</b> 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.</p> <p><b>Gypsum blocks</b> 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.</p> <p><b>Gypsum plaster, gypsum sand plasters etc.</b> 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.</p> <p><b>Derived timber products (chipboards, OSB-boards etc.) - interior</b> Have to be covered with a suitable gypsum board or gypsum fibre board as otherwise cracks may occur in the area of butt-joints.</p> <p><b>Base renders (exterior):</b> 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.</p> <p><b>Base renders (interior):</b> 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.</p>

## Application

<b>Application method</b>	Application by trowel
<b>Coating system</b>	<b>Intermediate coating</b> with Kieselit-Grundierfarbe thinned with water 2:1 is recommended.
<b>Application</b>	<p><b>Modeling-/felt Rendering</b> Mix Kieselit-Modellierputz in approx. 6 - 7 litres of clean tap water while taking care to avoid lump formation. The working time is approx. 1.5 hours (pot-life). Apply the material liberally with a stainless steel trowel respecting a layer thickness of max 5 mm and modelize or sponge-trowel depending on the desired surface aspect.</p> <p><b>Heavy-duty Reinforcement</b> Embed the trimmed fabric lenth from the top to the bottom into the liberally applied wet render layer with an overlap of 10 cm . Smooth down and then apply another render layer wet-on-wet over the entire surface. The reinforcing mesh Gittermatte must be embedded in the centre of a homogenously thick reinforcement layer.</p>
<b>Application hints</b>	<p>Do not apply under a glaring sun, during strong wind or on warm substrates. In order to avoid the formation of laps, apply the material wet-on-wet.</p> <p>The following regulations have to be observed : the technical data sheet of each product, the relevant valid building approvals, the current ALLFATHERM application brochure "Verarbeitung von ALLFATHERM-Dämmsystemen", DIN 55699 and in Germany BFS Fact Sheet No. 21 and the guidelines referred therein, as well as Technical System Information "Compendium ETICS and Fire Protection" published by the professional association Wäremedämmverbundsysteme (ETICS).</p>

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<b>Note</b>	<p>Check tinted paint for colour accuracy prior to the application. Objections regarding the colour shade cannot be accepted after the application.</p> <p>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.</p>
<b>Practical hints</b>	<p><b>Masking Works</b> 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.</p> <p><b>Dark Colour Shades on ETICS</b> Colour shades with a light reflectance value <math>\geq 20</math> are possible on ETICS without limitations. On request, darker shades are possible based on a specific TSR-formulation. Please observe the information regarding colour stability with brilliant and intensive hues.</p> <p><b>New mineral Substrates</b> 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.</p> <p><b>Horizontal surfaces</b> Exterior horizontal surfaces such as mural crowns, cornices, windowsills etc. must be professionally protected with appropriate covering material, e.g. from metal or stone, in order to prevent dirt stains and moisture damage of the coating.</p> <p><b>Weather Conditions</b> Do not apply under a glaring sun, during strong wind or on warm substrates. With fresh, primarily tinted mineral coatings, sharp shadows might lead to disturbing colour differences. Protect the fresh coating from moisture. If necessary use protective tarpaulins.</p> <p><b>"Cloudy" Drying</b> Depending on weather and object conditions, the chemical setting process of mineral and silicate renders/plasters may cause a cloudy or streaky appearance on the dried coating. This effect occurs especially with tinted renders/plasters and does not affect the functional capability of the coating. We recommend to apply an equalising paint, colour matched to the façade paint, preferably of the Kieselit range.</p> <p><b>Continuous Surfaces</b> Before processing on continuous surfaces, especially with tinted material, check for colour consistency or mix the required quantity in advance. In order to avoid laps, apply wet-on-wet.</p>
<b>Temperature limit</b>	<p>Between + 5° C and + 30° C for substrate and ambient air during processing and drying.</p> <p>The fact sheet "Rendering, thermal insulation, surfacing and coating at high and low temperatures" published by the German Association Construction and Colour should be observed.</p>
<b>Drying time</b>	<p>At + 20° C for substrate and ambient air and 65% relative humidity (RH), final hardness after approx. 3 - 4 days. Depending on layer thickness, low temperatures or a higher humidity the drying time may be extended.</p>
<b>Tool cleaning</b>	<p>Immediately after use with water</p>

## Information

<b>Hazard statements and safety advice</b>	<p>This mineral powder product reacts alkaline. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Do not breathe dust or mist. Wash hands thoroughly after handling. Wear protective gloves/ eye protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.</p> <p>Always wear long trousers „Avoid prolonged skin contact with the plaster. Rinse affected areas immediately with plenty of water. The longer fresh plaster remains on your skin the greater the risk of severe skin damage. Follow the manufacturer's instructions for safety and health during application.</p>
<b>Declaration of ingredients</b>	<p>Synthetic dispersion, cement, calcium hydroxide, additives</p>

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<b>Observe safety data sheets</b>	Further details: See Safety Material Data Sheet (MSDS)
<b>WHC</b>	1 (weakly water-polluting)
<b>Waste disposal</b>	Only completely emptied containers should be given for recycling. Dispose dried/hardened product residues as construction site/demolition waste.

### Container size

Content	EAN code	Article no.
25 KG	4002822507848	754997

### System specific and system completing products

Kieselit-Grundiermittel  
Kieselit-Grundierfarbe  
Kieselit-Fusion  
Kieselit-Fassadenfarbe

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.