

Kieselit-Modellierputz fein

Mineralischer und filzbarer Feinputz für innen und außen.



Product characteristics

Properties

- Fine renovation or thin film rendering
- 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

Binder	Cement Synthetic resin dispersible polymer powder
Density	approx. 1.25 - 1.40 kg/dm ³ kg/dm ³
Maximum particle size	Up to approx. 0.5 mm
Average consumption (short text)	Approx. 1,100 - 1,300 g/m ² pro mm layer thickness
Average consumption	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.
Colour shade	Natural white
Storage	Cool and dry on wooden grids
Thinning	Water

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Substrates

Suitable substrates

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

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.

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 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.

Derived timber products (chipboards, OSB-boards etc.) - interior

Have to be covered with a suitable gypsum board or gypsum fibre board as otherwise cracks may occur in the area of butt-joints.

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 relative humidity also lengthen the setting process. Treat replastered locations with fluosilicate. In addition, the guidelines according to BFS Fact Sheet No. 9 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 trowel

Coating system

Intermediate coating with Kieselit-Grundierfarbe thinned with water 2:1 is recommended.

Application

Mix Kieselit-Modellierputz fein into approx. 6 - 7 litres of clean tap water depending on the desired working consistency. The material can be applied to layer thicknesses of up to approx. 3 mm and then modelised or sponge-trowelled according to the surface aspect to be achieved. With roughly textured or irregular substrates the first layer should be effected with Kieselit-Modellierputz (particle size 1.0 - 1.3 mm).

Application hints

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.

Note

Check tinted paint for colour accuracy prior to the application. Objections regarding the colour shade cannot be accepted after the application.

Kieselit-Modellierputz fein

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

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.

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.

Horizontal surfaces

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.

Weather Conditions

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.

"Cloudy" Drying

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.

Continuous Surfaces

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.

Temperature limit

Between + 5° C and + 30° C for substrate and ambient air during processing and drying.

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.

Drying time

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.

Tool cleaning

Immediately after use with water

Information

Hazard statements and safety advice

This mineral powder product reacts alkaline. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. Keep out of reach of children. Do not breathe dust or mist. Wear protective gloves/ protective clothing/ eye protection/ face protection. If swallowed: Rinse mouth. Do not induce vomiting. If in eyes Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/ attention.

Declaration of ingredients

Synthetic dispersion, cement, calcium hydroxide, additives

Observe safety data sheets

Further details: See Safety Material Data Sheet (MSDS)

WHC

1 (weakly water-polluting)

Waste disposal

Only completely emptied containers should be given for recycling. Dispose dried/hardened product residues as construction site/demolition waste.

Kieselit-Modellierputz fein

Container size

Content	EAN code	Article no.
25 KG	4002822016241	821267

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 FARBERWERKE.