

Leichtputz K

Mineral lightweight render with scraped texture. Tested in the ALLFAtherm insulation systems.



Product characteristics

Properties

- Weatherproof
- High diffusion capability
- Mineral lightweight render as per DIN EN 998-1
- Low soiling tendency
- Excellent properties in terms of building physics
- Very good application properties
- Excellent adhesion on all mineral substrates
- Impact- and scratch-proof
- Low tension
- 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. 1.4 kg/dm ³ kg/dm ³
Water vapour permeability	< 0.1 m according to DIN EN ISO 7783, class V1 (high) as per DIN EN 1062
Water absorption coefficient (w-value)	approx. 0.2 kg/(m ² h ^{0.5}) according to DIN EN 1062-3, class W2
Maximum particle size	Up to approx. 2 mm and 3 mm
Average consumption (short text)	with 2 mm approx. 2,100 g/m ² , with 3 mm approx. 2,600 g/m ²
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	White
Suitable tinting paints	Ready-mixed at the factory. Please note that with tinted products the specified properties may change.
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 for exterior coatings and the guidelines according to BFS Fact Sheet No. 8 for interior coatings.

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.

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.

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

Spraying data

Standard continuous mixers

Mixing pumps with an output of at least 10 L, e.g. inotec inoCOMB Picco Business, PFT Ritmo M + L, PFT G4, M-Tec plastering machine m 300 or mono mix, etc. Accessories: compressor, base render sprayer, air valve 12 - 16 mm.

Coating system

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

Application

Add Leichtputz to approx. 7.5 - 9 litres of clean tap water, avoiding lump formation. Leave to stand and swell for about 10 minutes! Then stir up again. The working time (pot-life) is approx. 1.5 hours. Apply the material liberally with a stainless steel trowel or a suitable plaster spraying equipment. Then draw off the render to grain thickness and texture with the same steel trowel, PU, wooden or plastic float. With tinted renders always apply a finishing paint coat.

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.

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 Wäremedämmverbandsysteme (ETICS).

Note

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

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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.

Dark Colour Shades on ETICS

Colour shades with a light reflectance value ≥ 20 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.

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), recoatable after approx. 6 - 8 days with silicate paints. With other products after 2 weeks at the earliest. Final hardness after approx. 2 - 3 days. Lower temperature or a higher humidity extend the drying time.

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. 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.

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.

Declaration of ingredients

Polyvinyl acetate dispersion, cement, calcium hydroxide, siliceous fillers, additives

Observe safety data sheets

Further details: See Safety Material Data Sheet (MSDS)

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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.

Container size

Content		EAN code	Article no.
25 KG	2 mm	4002822000868	712688
1000 KG	2 mm	4002822004163	734988
25 KG	3 mm	4002822004194	738288
1000 KG	3 mm	4002822004200	738293
25 KG	5 mm	4002822001353	738296

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.