

Keim Universalputz-Fine

Grain size: 0.6mm

Product description:

Keim Universalputz is a renovation and thin layer exterior wall render, based on lime cement with organic additives and fiber reinforcement (Standard render to DIN EN 998-1). Keim Universalputz Fine corresponds to mortar category CS III (P II acc. To DIN 18550). Combined with Keim silicate coatings, Keim Universalputz Fine is a coordinated render/coating system.

Field Of Application:

Renovation and repair of:

- Sound existing renders (including synthetic resin renders)
- Sound existing paint coats (including synthetic resin paint coats).
- Interior and exterior areas.
- Problem areas.
- With fabric embedding (e.g. with Keim Glasfaser-Gittermatte or Keim Innengewebe) over part or all of the surface.

Not suitable for elastoplastics and saponifiable substrates. Very suitable for machine application with excellent adhering property during application. Keim Universalputz Fine may be textured or felt-floated.

Product Properties:

Binder based on white lime cement with calcite aggregate together with light aggregate and fiber reinforcement, water-repellent.

- Grain size: 0-0.6 mm
- Dry weight: 1.2 g/cm³

Material characteristics:

- Compressive strength: >3.5-7.5 N/mm², CS III
- Water vapour permeability μ : approx. 8
- Water absorption: W2
- Thermal conductivity $\lambda_{10, dry}$:
 ≤ 0.83 W/(mK) for P = 50%*
 ≤ 0.93 W/(mK) for P = 90%*
(* tabular values acc. to EN 1745)

Application Instructions:

Substrate preparation:

Check load capacity of the substrate. Remove loose parts of renders or old coatings mechanically or by high-pressure water jetting. Use Keim Universalputz with 1.3mm grain size as first layer for rough textures of old renders or uneven substrates.

Application:

Highly absorbent substrates must be rewetted. Water requirement: approx. 270-290 ml/kg (corresponding to 5.4-5.85 l/20 kg sack); mix with blunger or render mixing machine. Layer thickness applied should range from at least 4 mm to at most 8 mm.

If embedding fabric, apply 3 mm of Keim Universalputz Fine, press fabric in (fabric webs overlapping by 10 cm) and apply a further layer of 3 mm of Keim Universalputz Fine the following day. Total layer thickness min 6mm. Keim Universal Fine may be textured or felt floated (when felt-floating, use firstly a coarse and then a fine sponge float). On a non-absorbent render substrate, the render must solidify completely before being felt-floated with an additional thin layer.

Note: Do not overmix material, as overmixing entails the risk of a marked loss of strength. Material which has already set must not be remixed.

Application conditions:

Ambient and substrate temperature must not fall below +5°C during the application and drying phase. Do not apply in direct sunlight or onto sun-heated substrates. Protect rendered surfaces from direct sunlight, wind and rain during and after application.

Post-treatment:

Protect the fresh layer of render from drying out too quickly and, if needed, keep moist by wetting with water for a couple of days after texturing or finishing with a felt float. Interior spaces must be heated with care, since too rapid heating may disrupt the hydraulic setting reactions.

Finishing:

All Keim coating systems are suitable for external and internal use. Can be overcoated with paint after 10 days. Essential minimum layer thickness for coating with Keim Purkristalat: 5 mm

Preparatory work required on exterior surfaces: Remove lime with Keim Atzflussigkeit, diluted 1:3 with water, then rinse off with clean water.

Consumption:

Approx. 1.2 kg/m² per mm of render thickness. The stated consumption values are for guidance and depend on the nature of the substrate and the application method. Exact consumption values can only be determined by painting trial areas on the structure to be coated.



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PRODUCT
DATA
SHEET

Cleaning of tools:

Clean with water immediately after use.

Packaging:

20 kg sack

Storage:

Shelf-life is 12 months when stored in original packaging in dry, cool and frost-free conditions and protected from moisture.

Hazardous substances ordinance class:

Xi	Irritant
R38:	Irritating to the skin
R41:	Risk of serious damage to eyes
S2:	Keep out of reach of children
S22:	Do not breathe dust
S24/25:	Avoid contact with skin and eyes
S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39:	Wear suitable gloves and eye/face protection.
S46:	If swallowed, seek medical advice immediately and show this container or label.

Transport hazard class:

n/a

Disposal:

EC Waste Code no. 17 01 01

Any residues must be emptied out of sacks before recycling.

Safety instructions:

In the presence of water, lime and cement exhibit an alkaline reaction. Protect surfaces which are not to be treated, in particular glass, ceramics, natural stone etc. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with water. Protect the eyes and skin from splashes. When using, do not eat, drink or smoke.

Keep out of reach of children.

Low on chromate according to TRGS 613.

Giscode: ZP 1

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