



KEIM Universalputz

1. Product description

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

2. 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
- cracks
- 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.

When used as a finishing render, KEIM Universalputz may be textured or felt-floated

3. Product properties

Binder based on white lime cement with calcite aggregate together with light aggregate and fiber reinforcement.

Grain size: 0 - 1.3 mm
Dry weight: 1.35g/cm³

Characteristics to DIN EN 998-1:

Compressive strength: > 3.5 - 7.5 N/mm², CS III

Water vapour permeability μ : approx. 9

Water absorption: W2

Thermal conductivity $\lambda_{10,dry}$:

$\leq 0,83$ W/(mK) for P = 50%*

$\leq 0,93$ W/(mK) for P = 90%*

(* tabular values acc. to EN 1745)

4. Application instructions

Initial preparation

Test load-bearing capacity of substrate. Remove any loose areas of existing coatings mechanically or by water jetting.

Application

Strongly absorbant substrate must be prewetted. Water requirement: approx. 240 ml/kg (corresponding to 6 liters/25 kg sack); mix with blunger or render mixing machine. Apply in one or more layers to a thickness of at least approx. 4 mm and at most 10 mm per layer. If embedding fabric, apply 3 mm of KEIM Universalputz, press fabric in (fabric webs overlapping by 10 cm) and apply a further layer of 3 mm of KEIM Universalputz the following day. Total layer thickness min 6 mm. If using as a finish render, texture or felt-float. On a non-absorbent render substrate, the render must solidify completely before being felt-floated with an additional thin layer.

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 surfaces from wind and rain during and after application.

Drying times

1 day/1 mm of render thickness if a further layer of render is to be applied.

Finishing

- with finishing renders such as KEIM Silikatputz or KEIM Brillantputz, no preparatory work is necessary.
- with paint: all interior and exterior KEIM coating systems are suitable. Can be overcoated with paint after 10 days. Essential minimum layer thickness with KEIM Purkristalat 5 mm.

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

Consumption

approx. 1.1 kg/m² per 1 mm layer thickness.

Cleaning of tools

Clean with water immediately after use.



5. Packaging

25 kg sack

6. Storage

Shelf life is 12 months under dry conditions.

7. Hazardous Substances Ordinance class

Xi Irritant

- R38: Irritation to skin.
R41: Risk of serious damage to eyes.
S2: Keep out of reach of children.
S22: Do not breathe gas/vapor/aerosol
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.

8. Transport hazard class

n/a

9. Disposal

EC Waste Code no. 10 13 99

Any residues must be emptied out of containers before recycling.

10. Safety instructions

In the presence of water, lime and cement exhibit an alkaline reaction. Provide appropriate protection for surfaces which are not to be treated, in particular glass, ceramics, natural stone, etc.. Protect the eyes and skin from splashes. When using, do not eat or drink. Keep out of reach of children.

Low on chromate according to TRGS 613.

Product code: ZP1

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