

## KEIM Universal Render (Keim Universalputz)



### 1. Product description

Keim Universal Render is a renovation and thin layer exterior wall render, made with lime and silicates with a small amount of organic additives and fibre reinforcement, for use on all mineral substrates, both exterior and interior.

### 2. Field of application

Renovation and repair of sound existing renders, sound existing paint coats and for filling of cracks. Suitable for interior and exterior use.

Keim Universal Render can be used as a base coat for Keim Brillantputz and for subsequent decoration using Keim Mineral Paints.

### 3. Product properties

Binder based on pozzolan with calcite aggregates, light aggregates and fibre reinforcement, water-repellent.

Grain size: 0 - 1.3mm  
Bulk density: 1.35g/cm<sup>3</sup>

#### Material characteristics

Dry Weight: 1.4g/cm<sup>3</sup>  
Water absorption co-efficient:  
 $w < 0.5 \text{ kg/m}^2 \cdot \text{h}^{0.5}$   
Diffusion resistance value:  
 $\mu = 8.4$   
Comprehensive strength  
approx. 4.5N/mm<sup>2</sup>  
Thermal conductivity,  $\lambda_{10}$ , dry:  
 $\leq 0.83 \text{ W/(mK)}$  for P = 50%  
 $\leq 0.93 \text{ W/(mK)}$  for P = 90%

### 4. Application instructions

#### Substrate preparation

Test substrate for load carrying capacity. Remove loose parts and old coats mechanically or with a water pressure jet.

#### Application

Mix in the ratio of 1kg Keim Universal Render to 0.24 litres of clean cold water (approximately 6 litres per 25kg bag) using a mechanical stirrer or plaster mixing machine/sprayer, e.g. Putzmeister or similar.

Apply to pre-wetted surfaces in layers from 4mm minimum to 10mm maximum. For subsequent applications do not scratch up between coats and leave for a minimum period of at least 12 hours between coats.

Keim Glassfibre Reinforcing Mesh may be incorporated, if required, by pressing into newly applied Keim Universal Render. When incorporating mesh, apply a first layer of Keim Universal Render, flatten the fabric (with an overlap of 10cm) and apply the second layer of Keim Universal Render.

Finish off using a float appropriate to the required surface finish (i.e. sponge faced float such as Keim Hydro Sponge Float).

#### Application conditions

Do not apply at ambient and base temperatures below 5°C. Keim Universal Render should be protected from direct sun and rain during the setting time.

#### Setting Time

1 day per 1mm render layer thickness.



### **Subsequent Finishing**

For finishing with Keim Brillantputz, no preparatory work is necessary.

Keim Universal Render is suitable for decoration with all exterior and interior Keim Mineral Paint systems after a minimum period of 15 days. .

### **Consumption**

Approximately 1.1kg/m<sup>2</sup> per 1mm render layer thickness.

The consumption rate is offered for guideline purposes only. Actual consumption rates should be determined by tests on trial areas.

### **Cleaning of tools**

Clean immediately after use with water.

## **5. Packaging**

25kg sacks

## **6. Storage**

Approx. 12 months, if kept cool, but frost free in tightly closed containers.

## **7. Disposal**

EC Waste Code No. 17 01 01

Any residues must be emptied out of sacks before recycling.

## **8. Safety instructions**

Cover surfaces which are not to be painted, in particular glass, natural stone, ceramics etc. Protect the eyes and skin from splashes. Keep out of reach of children.

Refer to COSHH data sheet.

The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release those purchasing and applying our products from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must be complied with. We retain the right to make modifications to improve the products or their application. This edition supersedes all earlier editions.

**KEIM**

MINERAL PAINTS LTD

Santok Building  
Deer Park Way, Donnington Wood  
Telford, Shropshire, TF2 7NA  
Tel. (01952) 231250  
Fax (01952) 231251

[www.keimpaints.co.uk](http://www.keimpaints.co.uk)  
[sales@keimpaints.co.uk](mailto:sales@keimpaints.co.uk)