



KEIM UNIVERSAL RENDER

KEIM Universal Render is a ready to use renovation and thin layer wall render, made with hydrated lime, pozzolanic additives, sand and mineral fibre fillers. KEIM Universal Render is suitable for use on all mineral substrates, both interior and exterior. It is extremely flexible and will accommodate a high degree of movement, in particular thermal expansion and contraction, whilst at the same time preventing surface crazing and cracking.

KEIM Universal Render is ideal for overall surface refurbishment as a complete thin coat render system. KEIM Universal Render can be used as a render base layer onto which any of the KEIM coating systems and/or textured finishing render systems can be applied (i.e. KEIM Brillantputz).

KEIM Universal Render is suitable for patch repair of existing rendered facades over large or localised areas, and for application onto sound existing renders, synthetic resin renders, solid existing paint coats, synthetic resin paint coats and cracks.

KEIM Universal Render is easy and reliable to process and apply and is extremely flexible with excellent stability. Fibre reinforcement and water repellence ensure reduced susceptibility to cracking and optimum wear resistance.

KEIM Universal Render is available in two grain sizes; standard and fine.

KEIM UNIVERSAL RENDER/FINE

TECHNICAL INFORMATION

1 Field of application

KEIM Universal Render is a renovation and thin layer exterior wall render, based on lime and silicates with fibre reinforcement, for use on all mineral substrates, both exterior and interior.

KEIM Universal Render is suitable for renovation and repair of sound existing renders, sound existing paint coats and for filling of cracks.

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

KEIM Universal Render Fine is available for a smooth finish.

2 Product properties

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

Grain size: 0 - 1.3mm
0 - 0.6 mm (Fine)

Water absorption co-efficient: $w < 0.5 \text{ kg/m}^2 \cdot \text{h}^{0.5}$

Diffusion resistance value: $\mu = 8.4$
 $\mu = 8$ (Fine)

Compressive Strength 4.5N/mm²
3.5-7.5N/mm² (Fine)

Thermal conductivity, λ 10, dry:
 $\leq 0.83 \text{ W/(mK)}$ for P - 50%
 $\leq 0.93 \text{ W/(mK)}$ for P - 90%

Mortar Category CS III

Fire resistance: A1, EN 998-1-2010 (BS EN 13501-1)

3 Application instructions

Substrate preparation

All loose, flaking and unstable material must be identified and then thoroughly removed, all surfaces must be thoroughly washed down with clean cold water to remove all surface dirt and dust.

Application

Apply to pre-wetted surfaces in layers from 4mm minimum to 10mm (8mm Fine) 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.

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

Cleaning of tools

Clean immediately after use with water

Setting Time

1 day per 1 mm render layer thickness.

Subsequent Finishing

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

Consumption

1.1 kg per square metre per mm thickness.

Please note that these consumption rates are offered for guideline purposes only and should more accurate measures be required then site trials must be conducted.

Packaging

25 kg sacks & 20 kg sacks (Fine)