



## M20 PLASTERED/RENDERED/ROUGHCAST COATINGS

### 110 RENDER:

#### **KEIM UNIVERSAL RENDER & KEIM UNIVERSAL RENDER FINE**

A hydrated lime based renovation and thin layer exterior wall render with fibre reinforcement. It is for use on all mineral substrates, both exterior and interior and has excellent flexibility and high moisture vapour permeability. Keim Universal Render Fine offers a smoother finish than Keim Universal Render.

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#### **REFERENCE: KEIM UNIVERSAL RENDER & KEIM UNIVERSAL RENDER FINE**

#### **Preparation:**

Any loose, flaking and unstable material must be identified and then thoroughly removed using stiff brushes and broad bladed scrapers to get back to a sound edge; these edges should then be feathered in. Ensure that any paint materials left remaining and the underlying substrate is sound and adhering well. Any gloss or shiny surfaces should be thoroughly flatted down using sand or emery paper to create a good key.

#### **Keim Algicide**

A non-acid fungicide wash.

Any algae growth should be wire brushed to remove all growths and treated with Keim Algicide, brush applied undiluted and allowed to remain undisturbed for some 3 hours before thoroughly washing off.

When all surfaces are clean, sound, dry, dust free and free from all surface contaminants, application of Keim Universal Render and Keim Universal Render Fine may proceed.

#### **Application:**

##### **Keim Universal Render**

Mixing: Mix in the ratio of 1 kg Keim Universal Render to 0.24 litres water (approximately 6 litres per 25kg bag).

##### **Keim Universal Render Fine**

Mixing: Mix in the ratio of 1 kg Keim Universal Render Fine to 0.27 - 0.29 litres water (approximately 5.4 - 5.85 litres per 20kg bag)

Materials should be mixed using a mechanical stirrer or plaster mixing machine/sprayer, e.g. Putzmeister or similar.



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Apply to pre-wetted surfaces in layers from 4mm minimum to 10mm maximum. Use Keim Universal Render for base coats and Keim Universal Render Fine for the final finishing coat. For subsequent applications do not scratch up applied coat and leave for a minimum period of 12 hours before reapplication. The final layer should be no thicker than 4mm. Finish off using a float appropriate to the required surface finish (i.e. sponge faced float such as Keim Sponge Hydro Float).

Keim Glassfibre Reinforcing Mesh may be incorporated if so required by pressing into newly applied first layer of Keim Universal Render and then applying a further finishing coat.

**Typical Specification (10mm):**

We advise to apply to pre-wetted surfaces an initial layer of Keim Universal Render of 6mm thickness with Keim Glassfibre Reinforcing Mesh incorporated by pressing into newly applied Keim Universal Render. After a minimum period of 12 hours a finishing layer of Keim Universal Render Fine of 4mm thickness should be applied. The overall thickness should be 10mm. Do not scratch the base coat and finish using a Hydro Sponge Float.

**Finishing:**

All newly rendered areas must be allowed to dry out for a minimum period of 15 days. We would then recommend the render is either painted using Keim Mineral Paints or treated using Keim Lotexan.



## IMPORTANT INFORMATION REGARDING STANDARD KEIM SPECIFICATIONS

We have taken every care to ensure that specifications are accurate, if there is any doubt about how to deal with a specific problem or the most suitable products to use, please contact us.

Specifications downloaded from the Keim Mineral Paints website are standard specifications to cover general circumstances and may not be suitable for every situation. Dedicated project specific specifications and product advice can be obtained by contacting [sales@keimpaints.co.uk](mailto:sales@keimpaints.co.uk) or 01952 231250.

It is essential that each stage of the specification is complied with, including level of preparation and drying times between coats, to ensure the best performance from the system applied. All products should be applied in accordance with the specification and relevant datasheets.

## GENERAL INFORMATION RELATING TO THE APPLICATION OF KEIM COATINGS

- All surfaces to be decorated should be free from surface contaminants, sound, dry and dust free.
- Any loose, flaking and unstable material must be identified and then thoroughly removed using stiff brushes and broad bladed scrapers to get back to a sound edge; these edges should then be feathered in. Ensure that any paint materials left remaining and the underlying substrate is sound and adhering well.
- Caution should be taken with the removal of any pre 1960's coatings as they might contain harmful lead.
- Any gloss or shiny surfaces should be thoroughly flatted down using sand or emery paper to create a good key.
- If the surfaces are being chemically stripped, ensure that they are thoroughly washed down of all residues before decoration. Due to the potential for an osmotic drawing reaction which can bring contaminants to the surface, we do not recommend the use of poultice based strippers if surfaces are to be redecorated.
- When airless spraying details of the appropriate nozzle sizes and information about the optimum mesh and filters can be provided on request.
- Any powdery or chalking surfaces will require treatment prior to decoration – contact Keim Mineral Paints to ascertain the appropriate product.
- All materials must be thoroughly mixed beforehand. We do not recommend intermixing packs, however if it is necessary ensure products are thoroughly mixed beforehand to ensure even pigment dispersion before mixing.
- Use only Keim recommended fillers and sealers. Acrylic, resin and gypsum based fillers particularly are not recommended for use with mineral paints.
- Onto new/repaired surfaces we would suggest that a drying period of at least 15 days is allowed, prior to the application of Keim.
- Always maintain a wet edge and work materials out well.
- Materials must not be applied at temperatures below 5°C nor those in excess of 30°C, nor if it is raining, or if there is an immediate likelihood of rain
- Keim Mineral Paints should be applied onto wind dry surfaces where the moisture content on or near the surface (to a depth of 5mm approximately) should be no greater than 18% by volume. For on-site purposes a moisture reading may be employed to give a qualitative reading – if the reading is in the green zone decoration may proceed
- Any splashes or spillage should be removed immediately using water - particular note needs to be taken of this in respect of Keim on glass, as it has a slight etching effect if allowed to dry hard
- Clean all brushes and tools immediately in water (some ancillary products containing solvents may require white spirit or turpentine so if in doubt please consult technical data sheets)
- Always store materials upright and secure. Protect from extremes of temperature and store in frost-free conditions
- When ordering reference to the project should be made, to ensure that in the event of re-ordering an exact colour match can be supplied
- Keim Mineral Paints Ltd operates a policy of 'sale and no return' on all goods supplied in good faith