



## **M20 PLASTERED/RENDERED/ROUGHCAST COATINGS**

**110 RENDER:**

### **KEIM NHL KALKPUTZ**

A dry bagged lime render manufactured to DIN EN 998-1, based on sand, lime (white lime, highly hydraulic natural lime) and hydraulic additives, with additives for improved processing and adherence.

**Manufacturer:** Keim Mineral Paints Limited, Santok Building, Deer Park Way, Donnington Wood, Telford, TF2 7NA, Tel 01952 231250, Fax 01952 231251, email [sales@keimpaints.co.uk](mailto:sales@keimpaints.co.uk)

**REFERENCE:** KEIM NHL KALKPUTZ

### **PREPARATION:**

All 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 Algacid**

A non-acid fungicide wash.

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

Absorbent substrates should be pre-wetted. Particularly friable undercoat renders need to be solidified by a pre-treatment with **Keim Fixativ** (diluted with clean cold water using a ratio of 1:1).

### **INITIAL COAT(S):**

#### **Keim NHL Kalkputz**

##### KEIM NHL-KALKPUTZ GROB (COARSE):

Mixing: Mix in a ratio 1 kg Keim Kalkputz Grob:0.26 litres water (approximately 6.5 litres per 25kg bag) using a mechanical stirrer or plaster mixing machine/sprayer, e.g. Putzmeister or similar.

Keim Kalkputz Grob should be applied in layers of 10mm (minimum) – 20mm (maximum). For depths greater than 20mm, build up in multiple layers, roughening and leaving a minimum period of 1 day per mm thickness between coats.

##### KEIM NHL-KALKPUTZ FEIN (FINE):

Mixing: Mix in a ratio 1 kg Keim Kalkputz Fein:0.3 litres water (approximately 7.5 litres per 25kg bag) using a mechanical stirrer or plaster mixing machine/sprayer, e.g. Putzmeister or similar. Mix sufficiently but do not overmix.

Keim Kalkputz Fein should be applied in layers of 2mm (minimum) – 5mm (maximum) as a top coat only. For depths greater than 5mm, apply Keim Kalkputz Grob as a base coat.

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.



A typical specification would be to apply to pre-wetted surfaces an initial layer of Keim NHL-Kalkputz Grob of between 10mm-20mm thickness with Keim Glassfibre Reinforcing Mesh incorporated by pressing into the newly applied Keim NHL-Kalkputz Grob. After a minimum period of 1 day per mm thickness, a finishing layer of Keim NHL-Kalkputz Grob to a 5mm thickness or Keim NHL-Kalkputz Fein to a 3mm thickness should be applied.

**FINISHING:**

Finish using a steel or Hydro Sponge float depending upon the required finish. If a top coat of Keim NHL-Kalkputz Fein is chosen, it should be applied with a steel trowel, initially smoothed to a good opaque finish, and then once solidification has begun, the final texture can be applied.

The render shall be left for a minimum period of 28 days and to have carbonated to a minimum depth of 2.5mm prior to any decoration taking place.