

KEIM NHL KALKPUTZ

KEIM NHL Kalkputz is a ready to use Natural Hydraulic Lime render with the addition of mineral fibre fillers. KEIM NHL Kalkputz is suitable for use on all mineral substrates, both interior and exterior.

KEIM NHL Kalkputz is ideal for overall surface refurbishment as a complete thin coat render system that can be subsequently decorated with any of the KEIM Mineral Paints.

KEIM NHL Kalkputz is suitable for patch repair of existing lime rendered facades over large or localised areas, and for application onto sound existing renders.

KEIM NHL Kalkputz is available in two grain sizes; coarse and fine.



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TECHNICAL INFORMATION

1 Field of application

KEIM NHL Kalkputz Grob (Coarse) is a multipurpose lime bound render for manual and machine application, used as an undercoat and topcoat render for interior, exterior and damp areas.

KEIM NHL Kalkputz Grob is suitable for rendering masonry of all kinds.

KEIM NHL Kalkputz Grob is particularly suitable for historic renovation, remediation work and for low environmental impact residential applications.

KEIM NHL Kalkputz Fine is available for a smooth finish.

2 Product properties

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.

Grain size: 0 – 3mm (Coarse)
0 – 0.6 mm (Fine)

Water vapour permeability: μ approx. 10

Water absorption: W2

Tensile bond strength: $\geq 0.08\text{N/mm}^2$

Compressive Strength 1.5 -5 N/mm²

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 II

Fire resistance:
A1, EN 998-1-2010 (BS EN 13501-1) (Grob)
A2-s1,d0, EN 998-1-2010 (BS EN 13501-1) (Fine)

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

KEIM NHL Kalkputz Grob should be applied in layers of minimum thickness of 10mm when applied as an undercoat and 5mm as a topcoat. Where the overall desired finishing thickness is more than 20mm apply render as multiple layers allowing sufficient setting time before the final layer is applied. We would also recommend roughening previous layers prior to subsequent application.

KEIM Glassfibre Reinforcing Mesh may be incorporated with KEIM NHL Kalkputz Grob if so required.

KEIM NHL Kalkputz Fine should be applied as a topcoat render, with a minimum thickness of 2mm and maximum thickness 5mm.

Cleaning of tools

Clean immediately after use with water

Setting Time

1 day per 1mm render layer thickness.

Subsequent Finishing

KEIM NHL Kalkputz is suitable for decoration with all exterior and interior KEIM Mineral Paint systems after a minimum period of 1mm per day plus 10 additional days (28 day minimum).

Consumption

1.3kg (1.2kg Fine) 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