

# Baunit Lime Render Finish RK 70N

## Product Datasheet

### 1. Product

Factory prepared dry powder mortar in accordance with EN 998-1, lime fine grained render, for manual and machine application.

### 2. Suitable Uses

Universal, fine-grained cement free render as a finishing coat, for all external and internal areas, including those subject to high humidity. A range of finishing techniques including plain finish, sponge finish, sprayed, slurried or textured can be applied.

Baunit Lime Render Finish RK 70N can be applied onto all standard backgrounds, except gypsum. As a bonding adhesive for the further application of lime plasters or as a plain finish render with good adhesion performance onto existing facades. Ideal for locations where building and human health issues are relevant and for historic conservation work. As a render finish in the plinth area with the provision of a gravel drainage.

### 3. Composition

Sand, natural aggregate, natural hydraulic lime (cement free), and additives to improve workability and adhesion.

### 4. Performance

Demonstrates the positive qualities required for the physical and biological considerations within the built environment. Suitable for machine application, good workability and can be textured using a range of finishing techniques.

### 5. Technical Data

Render group:	CS I acc.to EN 998-1
Grain size:	0 – 0.6 mm
Compression strength:	$\leq 0.93$ W/mK (for P = 90 %)
Conductivity value $\lambda_{10, dry}$ (Tabled values acc. EN 1745)	1.5 – 5.0 N/mm <sup>2</sup> $\leq 0.83$ W/mK (for P = 50 %)
$\mu$ -value:	approx. 10
Water requirement:	7 - 8 l/Bag = 280 -320 l/t
Yield:	approx. 21 l/Bag = approx. 840 l/t
Coverage:	1.2 kg/mm/m <sup>2</sup>

### 6. Packaging

Paper Bags, bag content 25kg, (42 Bag per pallet = 1050 kg)

### 7. Storage

Dry and protected, do not store for longer than 6 months.

## 8. Quality Assurance

The product undergoes in-house monitoring, using a quality management system which conforms to the current international standard EN ISO 9001 and the environmental standard ISO 14001.

## 9. Health and Safety

See separate Health and Safety datasheet

## 10. Background

The background should be stable, dust and dirt free, and able to receive a coating. Basecoats should be fully cured. Any cracks are to be scratched open with a pointed tool to form a "V" shape. Smooth concrete surfaces to be prepared with a bonding mortar, for example Baunit Bonding Adhesive MC 55.

Highly absorbent backgrounds are to be dampened with water. Friable basecoats are to be treated with a Baunit Stabiliser PF. Ensure adequate provision of ventilation during application.

## 11. Application

### 11.1 Mixing

The water addition is 7-8 litres per bag. Use only clean water, without admixtures. Do not mix with other materials. Baunit Lime Render Finish RK 70N can be manually mixed in a bucket or tub, depending on quantity, using an electric hand mixer. Do not over mix. Fill the bucket to a third full with water. Gradually add RK 70N to the water while mixing, until a workable, lump-free consistency, is achieved. More water and material may be added as necessary. Do not remix once it has set.

### 11.2 Application

As a render finish Baunit Lime Render Finish RK 70N is usually applied and finished in two stages, using a steel trowel. The RK 70N is applied and smoothed out flat, ensuring full, even coverage of the surface area (approx. 2 mm thick). On stiffening, the surface can be sponged over to produce a smooth, flat, matt surface finish.

## 12. Hints

Do not apply in direct sunlight, wind or rain and protect the finished work until fully cured. (Scaffold nets)

In the case rapid dehydration, dampen the finished work with water at regular intervals.

Control the heating of internal rooms with care. Rapid drying out through heat can negatively affect the hydraulic reaction of RK 70

Do not mix Baunit Lime Render Finish RK 70N with gypsum

**Do not apply or allow to dry under an air or wall temperature of +5°C and falling or more than + 30 °C.  
Observe the guidelines stated in EN 998-1**