

# Baunit Klima RK 70 N

## Pure Lime Plaster

### ■ General Information



- **Natural white lime plaster**
- **Suitable for internal and external use**

#### Product Overview

Factory prepared, natural white dry powder lime mortar with eminently hydraulic additives and produced according to EN 998-1. Lime based, fine grained contact mortar for manual and machine application for external and internal use. Part of the Baunit Klima range of products for healthy living.

#### Use

- Lime based contact mortar: Universal, fine topcoat finish over all standard basecoat renders/plasters excluding gypsum based plasters.
- Suitable for use in internal and external areas and particularly developed as a bonding mortar onto difficult substrates.
- A range of finishing techniques including plain finely sponge floated, spraying, slurring or freestyle texturing can be used.
- Baunit Klima RK 70 N can be used as a keying coat to prepare substrates to receive lime based plaster and render coatings.
- The product may be used as a topcoat finish in the plinth area subject to the provision of a gravel drainage system and if waterproofing measures have been completed before backfilling.

#### Properties

- A pure lime plaster which fulfills the physical and biological considerations within the built environment.
- Easy to use contact mortar with a range of uses.
- Once cured, the product has good bonding strength, is water vapour permeable and resistant to weathering, water ingress and frost penetration.
- For use in external and internal areas.

#### Composition

Sand, lime, hydraulic lime, trass lime and additives to improve workability and adhesion.

### ■ Technical Data

<b>Aggregate size::</b>	0 – 0.6 mm
<b>Compression strength:</b>	1.5 – 5.0 N/mm <sup>2</sup>
<b>Water vapour diffusion resistance <math>\mu</math>:</b>	approx. 10
<b>Water requirement:</b>	7 – 8 l/sack
<b>Thermal conductivity <math>\lambda</math>,10,dry:</b>	$\leq 0.93$ W/mK (P = 90% tabulated) $\leq 0.83$ W/mK (P = 50% tabulated)
<b>Capillary water absorption:</b>	W 2 (EN 998-1)

<b>Yield:</b>	8.9 m <sup>2</sup> /sack (nominal 2 mm thickness) 21 l/sack
<b>Consumption:</b>	1.4 kg/m <sup>2</sup> /mm
<b>Minimum layer thickness:</b>	5 mm (keying layer)



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## Health & Safety

A Material Safety Data Sheet is available on request.

## Quality Assurance

Store in dry conditions and protected on pallets for up to 6 months. Continual monitoring and inspection of the quality of all raw materials upon reception. The manufacturer has a TÜV tested and certified Quality Management System in accordance with the international standard EN ISO 9001 and a TÜV tested and certified Environmental Management System in accordance with the international standard EN ISO 14001.

## Packaging

25 kg sack, 1 pallet = 42 bags = 1050 kg

## Storage

Store in dry conditions and protected on pallets for up to 6 months.

## Substrate

- Substrates must be sound, clean, dry, free from frost, dust and efflorescence.
- Basecoat renders should be fully cured. Any cracks are to be scraped open with a pointed tool to form a "V" groove.
- High suction substrates must be dampened with water.
- Very smooth substrates surfaces should be roughened or pre-treated with Baumit Haftmörtel HM 50 contact mortar. Friable basecoats must be pre-treated with a stabiliser such as Baumit ReMineral/PutzFestiger.

## ■ Application

### **Mixing:**

Baumit Klima RK 70 N can be mixed with clean water in a tub to a lump free, creamy consistency with an electric hand mixer. Material which has started setting must not be remixed with water. Mixing with other products (e.g. anti-frost agents or accelerating agents) is not permitted.

Automated continuous horizontal mixers may also be used. For small areas the contact mortar can be manually applied. For larger areas the freshly mixed mortar can be fed into a mortar pump for spray application. Alternatively, a mortar mixing pump will provide an all-in-one mixing and spraying solution.

### **Topcoat finish:**

Baumit Klima RK 70 N as a fine topcoat finish plaster is applied onto the basecoat and smoothed out flat with a trowel or spatula to a minimum thickness of 2 mm. Upon setting the surface can be lightly rubbed over with a fine sponge float in tight circular motions to produce a fine, plain finish. A particularly smooth finish can be achieved by applying another thin coat of the contact mortar the following day. Other finishing techniques such as freestyle texturing, soft brushing etc. are also possible. A paint finish may be applied if required.

### **Preparation of render and plaster substrates:**

Baumit Klima RK 70 N is applied to a minimum thickness of 5 mm (with embedded Baumit StarTex reinforcing mesh where necessary) and the surface keyed with a stiff brush or plasterer comb. Allow to dry for 1-2 days.

## ■ General Information

The air, material and background temperature must be above +5° C during application and curing. Protect the facade from direct sunlight, rain and strong winds (i.e. with scaffold nets).

In hot and/or windy weather dampen the finished work at regular intervals with a water mist sprayer to aid hydration. High air humidity and low temperatures can prolong drying times considerably.

Clean tools with water.

Protect other materials such as glass, ceramics or metal etc from contamination with appropriate coverings.

### **Baumit topcoats:**

Refer to the relevant Baumit Product Data Sheet for information.

Our recommendations for applications which we give to support the purchasers/handlers from our experience, corresponds to current science and practice. The advice is non-binding, and forms no contractual, legal relationship and no additional obligations in the purchase contract. The advice does not release the purchaser from examining our products for their suitability for their foreseen uses. The general rules of construction equipment must be adhered to. We reserve the right to make changes which serve to provide technical progress and improve the product or its use. When such technical information appears, earlier information is no longer valid. You can find the most current information on our Internet pages. Only our current sales and supply conditions as well as provisions for the placement and use of our silos and mixing facilities apply for all business cases.