

Baumit Klima RK 38

Pure lime plaster for thicker application



- **Cement free**
- **Natural white lime**
- **For internal use only**

Product Overview

Factory prepared, cement-free, natural white lime dry powder render produced in accordance with EN 998-1. Pure lime plaster for manual and machine application for internal areas. Suitable as a basecoat and finish coat to achieve a fine texture. Part of the Baumit Klima range of products for healthy living.

Composition

Sand, white lime, hydraulic building lime and hydraulic additives to improve workability and improved application.

Properties

- A pure lime plaster which fulfils the physical and biological considerations within the built environment.
- Moderate strength development of the lime binder produces a plaster coating free of stresses.
- A healthier alternative to gypsum or cement based products.
- Resistant to impact loading.
- One material, from the basement to the roof.

Application

Mixing: Baumit Klima RK 38 can be mixed with clean water in a tub to a lump free, creamy consistency with an electric hand mixer. Automated continuous horizontal mixers may also be used. Only mix with clean water and other additives. For small areas the mixed plaster can be manually applied. For larger areas the fresh plaster can be fed into a mortar pump for spray application. Alternatively, mortar mixing pumps provide an all-in-one mixing and spraying solution.

Basecoat plaster: The plaster is applied onto the substrate to the required thickness in one or two passes (fresh-in-fresh) depending on the degree of suction from the substrate and ruled off with a straight edge, filling in undulations to produce a flat and even plaster layer. Minimum application is 10mm.

On hardening the surface is finely floated or finely scraped in preparation for receiving the topcoat. The drying times (1 day/mm thickness) must be observed.

A maximum plaster thickness of 20 mm may be applied in a single application. Where necessary, greater thicknesses must be built up in multiple coats of at least 10 mm in thickness. Upon setting the surface of each additional coat is horizontally keyed with a plasterers comb to receive the following coat. Drying times between each coat (1 day/mm thickness) must be observed.

Topcoat finish: Baumit Klima RK 38 as a topcoat plaster is applied onto the basecoat and smoothed out flat with a trowel or spatula. Minimum application thickness is 3mm. Shortly afterwards the surface is lightly rubbed over with a fine sponge float in tight circular motions to produce a fine, plain finish. A paint finish may be applied if required.

Baumit Klima Glätt W (lime skim finishing plaster) or Baumit internal plasters are also suitable for application onto a basecoat of Baumit Klima RK 38. Refer to the relevant Product Data Sheets.

Technical Data

	Baumit Klima RK 38 35kg
Grain size	0.8 mm
Consumption	app. 1.3 kg/m ² /mm
yield	app. 2.7 m ² /bag /10mm
Water requirement	11 -12 l/35 kg

Storage

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

Quality Assurance

Internal quality assurance is provided by the manufacturer's plant.

Substrate

Substrates must be sound, clean, dry, free from frost, dust efflorescence and not water repellent.

**Substrate
pre-treatment**

- Prepare smooth concrete or very low suction surfaces with a suitable Baunit contact mortar (e.g. Baunit HM 50).
- Prepare mixed masonry substrates and natural stone with a spatterdash coating.
- High suction substrates should be dampened with water using a mist sprayer. Do not saturate aircrete substrates.
- Preparation and levelling coatings must be fully cured, well keyed and compatible with the plaster system.
- Refer to Baunit technical support for further advice regarding substrate preparation.

Processing

The air, material and background temperature must be above +5° C during application and curing. Where rapid dehydration occurs dampen the finished work at regular intervals with a water mist sprayer. High air humidity and low temperatures can prolong drying times considerably. Protect fresh plaster from direct sunlight.

**Notes and General
Information**

Baunit Klima RK 38 is not suitable as a basecoat for receiving tiles due to its low strength < 2 Nmm². Testing for TVOC and Formaldehyde emissions is carried out by the eco-Institut

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