

# Baumit Klima RK 39

## Pure lime plaster



- **Cement free, natural white lime**
- **For a higher thickness**
- **Internal & external use**

### Product Overview

Factory prepared, cement-free, natural white dry powder lime mortar in accordance with EN 998-1. Universal lime based render for manual and machine application for external and internal use.

### Composition

Sand, white lime (building lime), hydraulic building lime and additives to improve workability and 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.
- Suitable for application in wet rooms.
- Resistant to impact loading.
- One material, from the basement to the roof.

### Application

**Mixing:** Baumit Klima RK 39 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 no additive. 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:** As a basecoat 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 thickness 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 39 as a topcoat plaster is applied onto the basecoat and smoothed out flat with a trowel or spatula. Minimum application thickness is 5mm.

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 decorative topcoat plasters are also suitable for application onto a basecoat of Baumit Klima RK 39.

Refer to the relevant Product Data Sheets.

## Technical Data

	Baumit Klima RK 39
grain size	3 mm
plaster thickness	min. 10 mm base-coat, internal (10mm external)
	min. 3 mm topcoat, internal (3mm external)
	max. 20 mm per coat
consumption	app. 1.3 kg/m <sup>2</sup> /mm
yield	app. 1.7 m <sup>2</sup> /cm/Sack /15mm
water demand	app. 10 l/35 kg

**Delivery Format** 35 kg bag, 1 pallet = 36 bags = 1260 kg

**Storage** Store in dry conditions and protected on pallets.

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

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

**Subsurface Pre-treatment**

- 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 Baumit technical support for further advice regarding substrate preparation.

## Processing

**Notes and General Informations** 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.

Do not apply in direct sunlight, rain or wind. Protect the façade until completely dry.

**Should you require further information about this material or its application, please consult your Baumit specialist for your project.**

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