

Baumit Klima RK 39

Pure lime Render



- For thicker applications
- Natural white lime
- For external & internal use

Product Overview

Factory prepared, cement-free, natural white lime dry powder render produced in accordance with EN 998-1. Pure lime render for manual and machine application for external and internal use. 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 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.
- Suitable for application in wet rooms.
- Resistant to impact loading.
- One material, from the basement to the roof.

Application

Mixing:

Empty bag contents into clean water in a tub and mix with an electric hand mixer to a lump-free, creamy consistency. Alternatively, an appropriate render spraying machine can be used. For more information contact the Baumit technical team. Leave to stand for 5 minutes and remix with the hand mixer.

Working time: approx. 1.5 hours.

Material which has started to set must not be remixed with water. Mixing with other products (e.g. anti-freeze or accelerating agents) is not permitted.

Basecoat plaster:

The render is applied onto the substrate to 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, 30mm is the maximum thickness that can be applied. 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 is applied onto the basecoat of either MC55 W or StarContact White 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.

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Baumit topcoat renders can be applied on top of a basecoat of Baumit RK 39 or a topcoat or RK70 N can be applied onto a keyed basecoat of RK 39. Refer to the relevant Product Data Sheets. For further information please contact our technical team.

Minimum thickness as basecoat (mm): 10

Nominal thickness as basecoat (mm): 15

Maximum thickness as basecoat (mm): 30 (thicknesses greater than 20mm must be built up in increments of a minimum of 10mm)

Minimum thickness as topcoat (mm): 5

Maximum thickness as topcoat (mm): 8

Do not use as an adhesive or basecoat onto StarTherm Nature insulation boards.

Technical Data

Reaction to fire:	A1
Compression strength:	1.5 N/mm ² - 5 N/mm ²
Adhesive tensile strength:	≥ 0.08 N/mm ²
sd-value:	0.05 m
μ-value:	app. 5
Thermal conductivity:	≤ 0.820 W/mK

	Baumit Klima RK 39
Max. application thickness	30 mm
yield	app. 1.7 m ² /bag at a thickness of 15mm as a basecoat layer
yield	5.3 m ² /bag at a thickness of 5mm as a topcoat layer
Grain size	3 mm
Render/Plaster thickness	min. 10 mm as a basecoat
Render/Plaster thickness	min. 5 mm as a topcoat
Render/Plaster thickness	max. 20 mm per coat
Consumption	app. 1.3 kg/m ² /mm
Water requirement	10 l/bag - 11 l/bag



Delivery Format	35 kg bag, 1 pallet = 36 bags = 1260 kg
Storage	Can be stored on pallets well wrapped and protected for up to 6 months.
Quality Assurance	Internal quality assurance is provided by the manufacturer's plant.
Classification according to the Chemicals Act	Gather the detailed classification from the Safety Data Sheet (according article 31 and annex II of the regulation No. 1907/2006 of the European Parliament and -Council from 18.12.2006) at www.baumit.com or request the Safety Data Sheet at the respective production plant.
Substrate	<p>Preparation and levelling coatings must be fully cured, well keyed and compatible with the plaster system.</p> <p>Suitable substrates include lime/lime-cement render, various masonry types.</p> <p>Prepare mixed masonry substrates and natural stone with a spatterdash coating of MC55 W.</p> <p>Peeling paint, lime wash, grease stains (from shuttering), other contaminants and film forming layers must be removed. Any cracks are to be scraped open with a pointed tool to form a "V" groove.</p> <p>High absorbtion substrates should be dampened with water using a mist sprayer or pretreated with our Baumit MultiPrimer. Do not saturate aircrete substrates.</p> <p>Prepare smooth concrete or low suction substrates with Baumit SuperPrimer. If SuperPrimer is used then the lime render needs to be applied within 48 hours to ensure a adequate bond to the substrate.</p> <p>Friable basecoats are to be pretreated with a stabiliser such as Baumit SanovaPrimer.</p> <p>Algae and mould growth must be removed with Baumit FungoFluid.</p> <p>Refer to Baumit technical support for further advice regarding substrate preparation.</p>
Substrate pre-treatment	Substrates must be sound, clean, dry, free from frost, dust efflorescence and not water repellent.
Processing	Baumit Klima RK 39 is not suitable as a basecoat for receiving tiles due to its low strength < 2 Nmm ² . Testing for TVOC and Formaldehyde emissions is carried out by the eco-Institut
Notes and General Information	<p>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.</p> <p>Do not apply in direct sunlight, rain or wind. Protect the façade until completely dry.</p>

Written and oral application technology recommendations provided by us to assist the seller/processor are based on our experience and reflect the current state of the art in science and practical application know-how. However, it is understood that these recommendations are non-binding. They do not create any legal relationship or any ancillary obligations in connection with the sale contract. They do not release the buyer from its obligation to verify the suitability to our products for the intended purpose or use by itself.