Baumit KZP 65

Lime-cement render

- **Part of UniRend System**
- **Ideal for new-builds and renovations**
- **Pure-mineral, smooth render**

Product Overview

General purpose lime-cement render for manual and machine application, complying with EN 998-1. Suitable for use on most types of masonry and rough cast concrete. Part of the UniRend System.

Use:

- Rendering and plasterting mortar for walls, ceilings, pillars and masonry only. Not plasterboard.
- Suitable onto most types of masonry and rough cast concrete formwork.
- Three-coat render system for interior and exterior works.

Composition

Sand, cement, lime and additives to improve workability and adhesion.

Properties

- Pure mineral, machine applied lime-cement, water resistant rendering mortar. Suitable for sponged and scraped finishes.
- Good water retention and adhesion qualities.
- Solid backing coat for use in wet rooms and for tiling.
- Water vapour permeable, frost and weather resistant coating with good impact resistance.

Application

Baumit KZP 65 can be hand applied using appropriate tools. Small quantities can be mixed with a paddle mixer. For larger areas, continuous mixers and mortar pumps or an all-in-one plastering machine provide a more efficient application of the product. The product should be mixed with clean water, free of additives.

The minimum application thickness for a render basecoat is 10 mm (dependant on location and substrate), and 3 mm for a topcoat. Render thicknesses greater than 20 mm must be built up in multiple coats. Each coating must be allowed to fully cure (1 day/mm thickness) and the surface well keyed before receiving the following coating.

Adequate drying time is particularly important in low temperatures which slow down the curing process!

Apply the render in two passes (fresh-in-fresh) on to substrates with high suction. Any dubbing coats or levelling coats should be compatible in strength. Each render coat should be ruled off flat with a straight edge, filling in undulations to produce a flat and even render layer.

On hardening, the surface can be float finished or scraped with a grid float in tight circular motions in preparation for receiving decorative topcoat renders or tiles.

Do not apply in direct sunlight, rain, or wind and protect the finished work until fully cured. High humidity and low temperatures can significantly prolong curing times.

Observe the minimum drying time of 1 mm render thickness per day before applying further coatings and finishes. Use PVC beads & profiles. Do not fix with gypsum products.

Technical Data

Reaction to fire:	A1
Compression strength:	1.5 N/mm² - 5 N/mm²
Adhesive tensile strength:	≥ 0.08 N/mm²
Mortar group:	CS II
µ-value:	app. 25
Thermal conductivity:	≤ 0.890 W/mK for P = 90%, tabulated EN 1745 (0≤ 0.82 W/(mK) (for P = 50 %, tabulated EN 1745)

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Application thickness	min. 10 mm max. 20 mm 20mm - 40mm thickness is possible, but to be built in 10mm layers. 1 day per 1mm drying time
yield	app. 1.7 m²/bag at 10mm thickness
Grain size	app. 1.2 mm
Render/Plaster thickness	10 mm basecoat internal
Render/Plaster thickness	10 mm 20 mm basecoat external (depending on location & substrate)
Render/Plaster thickness	3 mm topcoat (internal & external)
Consumption	app. 1.4 kg/m²/mm
Water requirement	from 4.5 to 6.5 l/25kg

Delivery Format

Bags, 25 kg, (42 bags per pallet = 1050 kg)

Storage

Store in dry conditions and protected on pallets for up to 12 months.

Quality Assurance

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

Substrate

Prepare smooth concrete surfaces with Baumit MultiContact MC 55 W. High suction substrates should be primed with Baumit Multiprimer or the render applied in two passes, fresh-in-fresh.

Highly absorbent substrates or mixed masonry should be pre-treated with Baumit SuperPrimer or VS 60 splatter dash coat.

Substrate pre-treatment

The substrate must be sound, stable and free from frost, dust, dirt and separating agents. The areas to be rendered must be well keyed and evenly dry.

Processing

If applying KZP 65 onto a StarContact basecoat, ensure the KZP 65 is applied "fresh in fresh", within 2-3 hours of the StarContact application (dependent on weather conditions), ensuring the StarContact coat has not hardened.

Lightweight masonry with a thermal conductivity < 0.13 W(mK) must be rendered with a lightweight render (LW) in accordance with DIN EN 998-1. We recommend using our lightweight render product Baumit MP 69. For lightweight masonry with with a thermal conductivity < 0.10 W(mK) and locations in exposure zones moderate, severe and very severe, we recommend an additional reinforcement coating over the lightweight render coating.

Notes and General Information

The air, material and substrate temperature must be above +5 ° C and below +30 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 humidity and low temperatures can prolong drying times considerably. Observe the minimum drying time of 1 day per mm render thickness before applying further coatings and finishes.

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

Suitable top coats:
Baumit UniPrimer/PremiumPrimer with any of the following topcoats, GranoporTop, SilikonTop, PuraTop, SilikatTop, StarTop, CreativTop, or SEP with a painted finish.
Baumit CrystalActivator with Baumit CrystalTop.

For further information regarding this product please consult with one of our technical team who will be happy to give detailed advice relevant to your project.

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