

Baumit Klima KP 36 W

Lime Plaster

General Information



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

Product Overview

Factory prepared, natural white dry powder skimming plaster mortar with eminently hydraulic additives produced in accordance with EN 998-1. Lime plaster with minimal cement content for manual and machine application in internal areas only. Part of the Baumit Klima range of products for healthy living.

Use

- Plastering mortar for application onto all types of masonry and rough cast concrete in all internal areas including domestic kitchens and bathrooms.
- Developed to achieve a smooth plain finish coat onto lime and lime-cement base coats.
- Suitable as a basecoat and plain finish topcoat in a two coat plaster system or as a basecoat to receive paints, coatings and tiling where a plaster strength of CS II is deemed suitable.
- Recommended for situations where the qualities of an air lime plaster with greater strength is required.
- Ideal for use where a light colour tone is desired.

Properties

- Natural white, fully mineral, creamy, lime plaster which fulfils the physical and biological considerations within the built environment.
- Ideal for a sponge floated finish.
- A healthier alternative to gypsum or other cement based products.
- Suitable for application in wet rooms.
- Resistant to impact loading.
- One material, from the basement to the roof.

Composition

Sand, mineral aggregates, white lime, minimal white cement and additives to improve workability and adhesion.

Technical Data

Designation:	CS II (EN 998-1)
Aggregate size:	0 – 1.0 mm
Compression strength:	1.5-5.0 N/mm ²
Bond strength:	≥ 0.08 N/mm ²
Thermal conductivity λ_{10,dry}:	≤ 0.82 W/mK (P = 50%)
(Tabled value acc. EN 1745):	≤ 0,89 W/mK (P = 90%)
Water vapour diffusion resistance μ:	≤25
Capillary water absorption:	W 1 (EN 998-1)
Water requirement:	8.5-9.5 l/sack = 230-270 l/t approx.
Minimum layer thickness:	basecoat 10 mm, topcoat 5 mm
Reaction to fire:	A1
TVOC 3d:	< 300 µg/m ³
Formaldehyde 3d:	< 24 µg/m ³
Yield:	27 l/sack = ca. 770 l/t approx,
Consumption:	13 kg/m ² /10 mm thickness approx.

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Product Data Sheet

Page 1 of 2





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Health & Safety

A Material Safety Data Sheet is available on request.

Quality Assurance

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

35 kg bag, 1 pallet = 36 bags = 1260 kg

Storage

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

Substrate

- Substrates must be sound, clean, dry, free from frost, dust efflorescence and not water repellent.
- Prepare smooth concrete or very low suction surfaces with a suitable Baumit contact mortar (e.g. Baumit 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 Baumit technical support for further advice regarding substrate preparation.

■ Application

Mixing:

Baumit Klima KP 36 W 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. 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 (max. 17 mm) 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. On hardening the surface is finely scraped with a spatula blade or grid float in preparation for receiving the topcoat. Overall plaster thicknesses (including the topcoat) exceeding 20 mm must be built up in multiple levelling coats of at least 10 mm in thickness and each surface horizontally keyed with a plasterers comb to receive the following coat. Drying times between each coat (1 day/mm thickness) must be observed.

Topcoat plaster:

Baumit Klima KP 36 W is applied onto the basecoat layer the following day (at the earliest) and smoothed out flat with a trowel or spatula to a thickness of min. 3 mm. Shortly afterwards the surface is lightly rubbed over in tight circular motions with a fine sponge float or a plasterers float to produce a fine, plain finish. Alternatively the topcoat can be randomly textured using appropriate tools. Keep the surface damp for at least 2 days. A paint finish may be applied if required.

■ General Information

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.

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

Testing for TVOC and Formaldehyde emissions is carried out by the eco-Institut..

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.

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Page 2 of 2

