Baumit MP 69
Lightweight Cement Render

- ■ **Internal & external use**
- ■ **Use as a base or topcoat**
- ■ **Lightweight**

Product Overview	Factory prepared dry power, lightweight lime-cement render mortar in accordance with EN 998-1. With mineral aggregates for light-weight masonry. For manual and machine application internally and externally as a base coat or topcoat.

Use
- Lightweight rendering mortar for direct application onto lightweight masonry (($\lambda \geq 0.07$ W/mK) in internal and external areas.
- Suitable as a basecoat and topcoat
- Baumit MP 69 is also suitable for external application on masonry with lower lambda values when protected with an additional reinforcement coat.

Composition
Sand, cement, lime, lightweight mineral aggregates and additives to improve workability and adhesion.

Properties
- ■ High yield, quick setting, lightweight render with a high proportion of mineral lightweight additives (no EPS).
- ■ Good water retention and adhesion, high flexibility (low E-module) and reduced shrinkage to safeguard against cracking.
- ■ Water vapour permeable and weather resistant and impact resistant.

Application

Mixing: Baumit MP 69 can be mixed with clean water in a tub to a lump free, smooth consistency with an electric hand mixer. Automated continuous horizontal mixers may also be used. For small areas the mixed render can be manually applied. For larger areas the fresh render can be fed into a mortar pump for spray application.Alternatively, mortar mixing pumps provide an all-in-one mixing and spraying solution.

Basecoat render: Minimum application thickness = 15mm
The render 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 high and low areas to produce a flat and even render layer.

The minimum application thickness for a render basecoat is 15 mm 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 standing 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.

Topcoat Render:
with a trowel or spatula to a thickness of 3 mm. 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 is required for this topcoat render application.
The Baumit decorative topcoat renders are also suitable for application onto Baumit MP 69. Refer to the relevant Product Data Sheets.

Reinforcement Coat:
An additional reinforcement coat of Baumit StarContact with embedded Baumit StarTex reinforcing mesh to a thickness of 3 - 5 mm applied over the cured Baumit MP 69 basecoat render is recommended in the following circumstances:
- the masonry substrate has a lambda $\lambda < 0.11$ W/mK
- the render system will be exposed to severe or very severe weather conditions
- the substrate is comprised of mixed masonry
- the selected Baumit decorative topcoat render has an aggregate < 2mm

Technical Data

Mortar group:	CS II
max. coating thickness:	20 mm per coat
compression strenght:	1.5 - 5 N/mm²

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Baumit MP 69	
plaster thickness	min. 18 mm as basecoat, 3mm topcoat (external)
plaster thickness	10 mm as basecoat, 3 mm topcoat (internal)
consumption	app. 1 kg/m²/mm
yield	app. 2 m²/bag /15mm coat thickness
water demand	9 - 10 /30 kg bag

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.

Subsurface

Sucbstrates must be sound, clean, dry and free from frost, dust, efflorescence and not water repellent. Prepare smooth concrete or very low suction surfaces with Baumit StarContact.

Prepare mixedmasonry substrates and natural stone wtih a spatter dash coating. High suction substrates should be dampened with water using a mist sprayer. Do not saturate aircrete substrates. Prepartion and levelling coatings must be fully cured, well keyed and compatible withthe render system.

Subsurface Pre-treatment

Friable basecoats are to be pretreatedwith a stabiliser such as Baumit MulitPrimer. Algae and mould growth must be removed with Baumit FungoFluid.

Processing

Mixing:
Baumit MP 69 can be mixed with clean water in a tub to a lump free, smooth consistency with an electric hand mixer. Automated continuous horizontal mixers may also be used. For small areas the mixed render can be manually applied. For larger areas the fresh render can be fed into a mortar pump for spray application.Alternatively, mortar mixing pumps provide an all-in-one mixing and spraying solution.

Notes and General Informations

The air, material and background temperature must be above +5° C 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 air humidity and low temperatures can prolong drying times considerably. Observe the minimum standing 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 PremiumPrimer/UniPrimer with Baumit NanoporTop or Baumit SilikonTop
Baumit PremiumPrimer/UniPrimer with Baumit GranoporTop/SilikatTop, FineTop, StyleTop, CreativTop, SEP

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

Product datasheet
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