

Baumit FL 68

Lightweight fibrous render

Product	Factory prepared dry powder mortar in accordance with EN 998-1. Lime-cement render for manual and machine application. Designated as a lightweight render LW (Type II) according to EN 998-1.																								
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 lightweight additives (EPS) and fibres. Good water retention and adhesion, high flexibility (low E-module) and reduced shrinkage to safeguard against cracking. Once cured the render is water vapour permeable and resistant to weathering, frost attack, impacts and scratches.																								
Intended use	Lightweight rendering mortar for direct application onto newly erected standard and highly thermally insulating masonry ($\lambda \geq 0.07$ W/mK) in internal and external areas. As a basecoat to receive Baumit decorative topcoats. Not suitable for receiving tiles or coatings which contain solvents.																								
Technical data	<table><tr><td>Designation:</td><td>LW – CS II (EN 998-1)</td></tr><tr><td>Aggregate size:</td><td>0 – 1.2 mm</td></tr><tr><td>Dry bulk density:</td><td>ca. 900 kg/m³</td></tr><tr><td>Dynamic E-Module:</td><td>> 1500 N/mm²</td></tr><tr><td>Compression strength:</td><td>1.5 – 5.0 N/mm²</td></tr><tr><td>Thermal conductivity $\lambda_{10,dry}$:</td><td>≤ 0.30 W/mK (P = 90%, tabulated) ≤ 0.27 W/mK (P = 50%, tabulated)</td></tr><tr><td>Water vapour diffusion resistance μ:</td><td>ca. 10 - 15</td></tr><tr><td>Capillary water absorption:</td><td>W 2 (EN 998-1)</td></tr><tr><td>Water requirement:</td><td>ca. 7.5 – 8.5 l/25 kg sack</td></tr><tr><td>Minimum layer thickness:</td><td>18 mm basecoat, 3 mm topcoat (external) 10 mm basecoat, 3 mm topcoat (internal)</td></tr><tr><td>Maximum layer thickness:</td><td>20 mm per coat</td></tr><tr><td>Consumption:</td><td>ca. 9.0 kg/m² / 10 mm thickness</td></tr></table>	Designation:	LW – CS II (EN 998-1)	Aggregate size:	0 – 1.2 mm	Dry bulk density:	ca. 900 kg/m ³	Dynamic E-Module:	> 1500 N/mm ²	Compression strength:	1.5 – 5.0 N/mm ²	Thermal conductivity $\lambda_{10,dry}$:	≤ 0.30 W/mK (P = 90%, tabulated) ≤ 0.27 W/mK (P = 50%, tabulated)	Water vapour diffusion resistance μ :	ca. 10 - 15	Capillary water absorption:	W 2 (EN 998-1)	Water requirement:	ca. 7.5 – 8.5 l/25 kg sack	Minimum layer thickness:	18 mm basecoat, 3 mm topcoat (external) 10 mm basecoat, 3 mm topcoat (internal)	Maximum layer thickness:	20 mm per coat	Consumption:	ca. 9.0 kg/m ² / 10 mm thickness
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Health and safety	Please refer to the Material Safety Data Sheet, produced in accordance with Article 31 and Annex II of Regulation No 1907/2006 of the European Parliament and Council from 18.12.2006, available at www.baumit.com or alternatively request the MSDS from the manufacturer.																								
Storage	Store in dry conditions and protected on pallets for up to 6 months.																								
Quality assurance	In house monitoring through our own laboratories. Third party inspection is carried out through a certified body.																								
Packaging	Sack 30 kg, 1 pallet = 35 Sacks = 1050 kg																								
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 Baumit StarContact . 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 render system. Refer to Baumit Technical Support for further advice regarding preparation of substrates.																								
Application	Mixing: Baumit FL 68 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 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:

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 undulations to produce a flat and even render layer.

On hardening the surface is consolidated with a wooden/plastic float or scraped with a grid float in tight circular motions in preparation for Baunit decorative topcoat renders. The drying times (1 day/mm thickness) must be observed.

A maximum render 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 renders:

Baunit decorative topcoat renders are suitable for application onto Baunit **FL 68**. Refer to the relevant Product Data Sheets.

Reinforcement coat:

An additional coat of Baunit **StarContact** with embedded Baunit **StarTex** reinforcing mesh to a thickness of 3 - 5 mm applied over the cured Baunit **FL 68** basecoat render is recommended in the following circumstances:

- the render system will be exposed to severe or very severe weather conditions
- the substrate is comprised of mixed masonry
- the selected Baunit decorative topcoat render has an aggregate < 2mm

Further information

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.

This Product Data Sheet has been issued by:



The information contained in this product data sheet together with any additional written or verbal information provided by Baunit is based on Baunit's previous experience of this product and reflects Baunit's current understanding of the properties of the product. However, the Customer acknowledges that the advice given in this product data sheet is not intended to be legally binding nor to create any obligation which is legally enforceable against Baunit. It is the customer's responsibility to make its own enquires and investigations into the properties and use of this product and to verify that the product is fit for the customer's intended use. Baunit reserves the right to make changes to the product without prior notice.

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