

Baumit MultiContact MC 55 W

Natural-white, fibre-reinforced multi-purpose bonding mortar.



- Multi-purpose contact mortar
- Fibre reinforced
- For all mineral substrates

Product Overview

Natural-white, fibre-reinforced multi-purpose bonding mortar. Suitable as a remediating render over existing stable, mineral and synthetic-resin based plasters, renders and paintwork. Also suitable as a keying coat in concrete and insulating boards or can be used onto insulated concrete formwork and fair faced masonry. System component of Baumit StarSystem Nature.

Use:

- Multi-purpose contact mortar: As a keying coat to prepare smooth concrete to receive standard basecoat and topcoat renders (CS I and CS II).
- As a thin to medium reinforcement layer (with reinforcing mesh) over mineral basecoat renders, synthetic renders, thermal renders and selected render carrier boards.
- Suitable as a topcoat layer over sound mineral substrates (CS II and CS III), concrete, synthetic renders, and stable painted surfaces

Composition

White cement, white lime, lightweight additives and additives to improve workability, adhesion and strength (fibres).

Properties

- Mineral, modified and easy to use contact mortar with a range of uses.
- Good bonding strength, is water vapour permeable and weather resistant..
- For use in external and internal areas.

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.

Adhesive application for bonding Baumit insulation boards:

A 50mm wide strip of MC55 W is applied around the perimeter face of the insulation board and 3 equally spaced hand-sized adhesive dabs through the centre line. Alternatively, using a 10mm notched trowel apply MC55 W across the entire back side of the insulation board. The adhesive layer must be 5 - 20 mm thick and provide a bonding contact of at least 40%. Deviations in the background flatness of up to +/- 20mm can be accommodated in the adhesive layer. After sufficient hardening of the adhesive layer if the insulation boards are made of a styrene based material they must be rasped and brushed down to remove any loose particles.

Mechanical fixings:

Variation of fixings are available dependant on substrate. For further guidance please contact the technical team.

Basecoat and reinforcement:

Apply 4mm of Baumit MC55 W to the boards with a stainless steel notched trowel (10mm notches). Continuous sheets of StarTex reinforcing mesh should be lightly smoothed over with a stainless steel trowel until little to no mesh is visible, before applying the second pass "wet on wet", free of creases and with 100mm overlapping edges. A further 2mm of MC55 W is applied "wet on wet" over the embedded StarTex reinforcing mesh. The StarTex reinforcing mesh must be covered with at least 1mm of MC55 W. Excessive trowelling is to be avoided. Trowel lines are to be removed after hardening. The overall basecoat thickness must be from 3 - 6mm depending on the board type.

When applying to a masonry substrate, we recommend an application thickness of 10mm. PVC rendering beads without mesh should be used, instead of mesh beads.

Nominal thickness (mm): 6

Minimum thickness (mm): 3

Maximum thickness (mm): 10

Position of reinforcing mesh: Top Third

In addition to the standards, please observe the current guidelines for installing External Wall Insulation Systems.

Preparation of Masonry, render surfaces and remediation:

Apply MC55 W as described above with or without reinforcing mesh according to requirements, when being used as a key coat.

MC55 can be used as a levelling coat, an adhesive, a base coat and a textured top coat internally. KlimaGlatt will provide a very smooth topcoat.

Externally it must be covered with an external topcoat.

Technical Data	Reaction to fire:	A2 s1 d0
	Compression strength:	1.5 N/mm ² - 5 N/mm ²
	Colour:	Natural White
	Adhesive tensile strength:	≥ 0.08 N/mm ²
	μ-value:	≤ 25
	Water absorption:	2
	Thermal conductivity:	≤ 0.890 W/mK

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yield	app. 5 m ² /bag - 6.25 m ² /bag as a adhesive
yield	app. 5 m ² /bag - 5 m ² /bag as a basecoat
Grain	1.2 mm
Consumption	app. 4 kg/m ² /mm - 5 kg/m ² as a adhesive
Consumption	app. 5 kg/m ² - 6 kg/m ² as a basecoat
Water requirement	6 l/bag - 7 l/bag



Delivery Format 25 kg bag, 1 pallet = 42 bags = 1050 kg

Storage Can be stored on pallets well wrapped and protected for up to 12 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 Suitable substrates include concrete, mixed masonry and lime/lime-cement render. Substrates must be sound, clean, dry, free from frost, dust and efflorescence.
Preparation of concrete, render and plaster substrates and remediation: Baumit MultiContact MC 55 W is applied to a thickness of 3 – 5 mm (with embedded Baumit StarTex reinforcing mesh where necessary) and the surface keyed with a brush or plasterer comb. Basecoat renders should be fully cured. Existing mineral and organic based coatings and paints must be sound and well bonded to the substrate (pull off test and/or cross cut test).
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.
High absorption substrates must be pretreated with Baumit MultiPrimer.
Low suction substrates must be pretreated with Baumit SuperPrimer.
Friable basecoats are to be pretreated with a stabiliser such as Baumit MultiPrimer.
Algae and mould growth must be removed with Baumit FungoFluid.

Substrate pre-treatment The substrate must be clean, dry, frost-proof, dust-free, not water repellent, free of efflorescence and free of loose part.

Processing If applying MC55 W onto a solid painted substrate or existing render, we recommend that a Scrim & Pin system is installed.

Notes and General 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 mm render thickness per day before applying further coatings and finishes.

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.