

MADA BASE RENDER

Technical Data Sheet

TDS-RE-R09-Rev1 Mada Base Render - Feb 2023



Product Description

Mada Base Render is a premixed cement-based, polymer fortified render designed for interior and exterior plaster finishing purpose. It provides a weather resistant finish on Gypsum Board, Cement Board, Bricks, Masonry and similar finishing systems with thickness up to 6mm by using trowel.

Suitable Substrates

- Concrete / Masonry
- Concrete Block
- Cement Mortar Bed
- Fiber Cement Sheeting and Gypsum Board

Features

- Indoor and outdoor application
- Shrinkage compensated
- Strong adhesion with substrates and topcoats
- Provide smooth surfaces for texture or paint finishing
- Ready and easy to use just by adding water
- Weather resistant
- Good workability with consistent quality



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Manufacturing Standard

- Complies to ASTM C 348, C349 and ASTM C1583
- Complies to ASTM C 897, ASTM C109/CM-01

Packaging/Color

- Packaging: 25 kg Bag
- Color: Grey

Product Characteristics

25 kg bag will approx. cover 2.25 – 2.35 m² with 6 mm thickness using trowel.

*Coverage data are for general guidance. Actual consumption depends upon substrate, application techniques and wastages etc.

Shelf Life

Minimum 12 months when unopened and stored in well controlled area.

Technical Specification

Parameters	
Form	Grey Powder
Bulk Density	1.4 kg/m ³
Working Time	> 30 min
Pot Life	Approx. 50 min
Initial Set	20 min
Compressive Strength (@28 days)	> 4.0 N/mm ²
Flexural Strength (@ 28 days)	> 1.0 N/mm ²
Bond Strength (@ 28 days)	> 0.5 N/mm ²

Handling and Storage

- All surfaces should be between 4°C – 35°C. The substrate must be perfectly sound, clean, and free from grease, oil, dust, loose peeling paint, laitance, concrete sealers or curing compounds.
- Dry, dusty concrete slabs or masonry should be dampened, and excess water swept off. Installation may be made on a damp surface. All slabs must be plumb and true to within 6mm in 3m.

Mixing

Add 25 kg powder to 4.0 – 4.25 liters water and mix with a slow speed mixer to homogenous, smooth trowelable consistency. Adjust consistency if required. Remix and apply with proper sized trowel.



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Application

Application Over Cement / Gypsum Sheet

- Apply by pressing base layer of Mada Base Render on the sheets by using trowel to a thickness of 3mm.
- Place and fix a layer of fiber mesh over the applied wetbase layer.
- Move and press the trowel over fiber mesh to attached firmly it with wet base layer.
- Apply the final layer of Mada Base Render over the mesh reinforced base layer to a thickness of 3mm using the trowel and finished to a fair finish.
- Total thickness must be 6mm maximum.

Application as Base Plaster

- Mada Base Render may be used as a base / leveling coat, or alternatively may be used as a 1 coat material which can be finished with a float and sponge.
- Apply material to substrate using a trowel providing adequate force to adhere the material to the substrate.
- Between 20 - 30 minutes after initial application (dependent on substrate and climatic conditions) using a polystyrene float, float the material to achieve a level plane.
- If required use a moist sponge to sponge the surface of the material to bring the sand particles to the surface and create desired 2mm sponged effect.
- For thicker applications (up to 15mm) apply the material in several fresh-on-fresh coats.
- Application below the recommended thickness 3 - 4 mm may result in degradation of the material due to loss of hydration.
- Depending on substrate, wetting of the walls prior to plaster application may be necessary.

Health & Safety

Avoid prolonged contact of Mada Base Render with skin as it irritates the skin like all cementitious materials. Cement dust from Mada Base Render will irritate the mucous membrane. Wear protective gear for hands and eyes. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In both cases seek medical attention. The product is non-flammable.

Disclaimer

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's representative.