

TECHNICAL DATA

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MACRENDER® POLYMER MODIFIED BASE RENDER

MACrender® is a factory blended, polymer modified base coat render suitable for application over a variety of commonly used building substrata. It will adhere to all types of masonry bricks and blocks, painted masonry surfaces, concrete panels, lightweight blocks and polystyrene cladding boards both expanded and extruded.

DESCRIPTION

MACrender® is a factory blended, ready to use cementitious render prepackaged in 20kg plastic lined multi-walled paper sacks. MACrender® is a water resistant, polymer modified cement based plaster suitable for many rendering and patching applications over substrates including clay/cement bricks and blocks, painted masonry surfaces, expanded polystyrene (EPS), precast concrete panels and aerated concrete. MACrender® has been formulated for use as a skim coat render best applied at a thickness ranging between 4-6mm. When applied to a clean and stable substrate, MACrender® will not display typical 'sand and cement' weaknesses such as herringbone cracking and drumminess, thus greatly reducing the risk of under taking costly and unsightly repair work. Note: MACrender® is not recommended for use over FC sheet.

PREPARATION OF MACRENDER®

Add to one 20 litre pail sufficient 'gauge' (see MACbond section below) to mix the amount of material required. Approximately 4.5 litres of gauge is required to mix one 20kg bag. Add MACrender® powder to the 'gauge' whilst stirring. The use of a mechanical stirrer is preferred however manual stirrers will suffice. Continue the addition of MACrender® powder until a thick, creamy, lump free paste has been achieved. As a guide to the correct consistency, the mixed render should hold a soft peak on the hawk. If the mixture is too wet, it can be messy to apply and slow to finish up. If the material is too dry it may harden too quickly and be difficult to apply.

MACBOND ADDITIVE

A specially formulated additive designed to further enhance the performance of MACrender®. MACbond is added to water in various ratios to make up the 'gauge' required for mixing. MACrender® powder is added to the 'gauge' to produce the desired amount of material. The addition of MACbond 'gauge' to the render greatly improves adhesion, flexural/compressive strength and moisture/chemical resistance. For optimum results, MACbond must be used in the preparation of MACrender®. Please refer to table below for recommended MACbond addition ratios.

MACbond : Water addition ratios

Substrate	MACbond	Water
Cement bricks	-	-
Aerated concrete blocks and panels*	1	9
Precast concrete panels*	1	6
Painted surfaces* (acrylic)	1	4
Expanded polystyrene* (EPS) 1st Coat	1	4
Expanded Polystyrene* (EPS) 2nd Coat	1	10

* MACrender®HBS recommended

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MACrender® has revolutionised the solid plastering trade. It is cleaner and more convenient to prepare, requires less bulky equipment and is less difficult to apply. This equates to more square metres, less time, no problems.

APPLICATION

Prior to the application of MACrender®, ensure that the substrate is clean and free of adhesion inhibiting materials such as grease, fungus, moss, dirt, excessive water and mould release agents. Apply the mixture to the substrate using a steel float, taking care to coat evenly (refer MACbond to water mixing ratios). Allow the applied material to firm up sufficiently on the substrate prior to finishing with a large plastic, polystyrene or timber float. Larger floats whilst producing the best results, may marginally slow finishing time. MACrender® can be 'ruled-off' if necessary and must be allowed to cure for a minimum of 5 days prior to the application of an applied finish. Areas subject to entrapped moisture will require a substantially longer curing period prior to the application of topcoats. MACrender® should not be applied during extremely hot or windy conditions and should be protected from rain and running water until set. To assist curing, walls may be dampened with a fine mist spray as soon as the surface is firm. Excessive water should not be allowed to run down the wall surface.

RECOMMENDED APPLICATION METHODS

Surface Type	Method
Concrete and Clay Bricks	Apply 1 or 2 coats of MACrender®
Glazed Bricks	Apply 1 or 2 coats of MACrender®. First coat of MACrender® should contain MACbond at 1:19 ratio.
Expanded Polystyrene MAClad	Apply 2 coats MACrender® at total coating thickness not less than 6mm. First coat should contain MACbond at 1:4 ratio. Second coat should contain MACbond at 1:10 ratio.

SAFETY

MACrender® is non-toxic, however it contains cement which is alkaline in nature. Any material (wet or dry) coming into contact with eyes or skin should be immediately flushed with water. The use of hand and skin protection is recommended when using MACrender®.

SUPPLY & PACKAGING

MACrender® comes prepackaged in 20kg plastic lined, multi-walled paper sacks.

COVERAGE

When mixed and applied in accordance with the above mentioned specification, 20kgs of MACrender® will cover approximately 3 - 5 square metres.