

COATING SYSTEM SPECIFICATION: MCS-005-10/09

CONCRETE PANELS_RENDER & ACRYLIC TEXTURE

Materials Required

- > Macrender® HBS - High bond strength base render for first render coat
- > Macrender® Coarse for second render coat if required
- > MAC Primer
- > Mactexture trowel-on or roll-on decorative finish in selected colour (optional)
- > Satin membrane in selected colour (available in low sheen or matt)

Application Schedule (In Order Of Application)

PRODUCT	PURPOSE	SPREAD RATE / FILM THICKNESS	NOTES
Macrender® HBS	Provides first levelling coat with high adhesion to painted masonry.	2-4 mm per coat for standard renders.	Required for initial adhesion to clean concrete. Minimum 2 mm thickness required.
Macrender® Coarse	Second levelling coat	2-4 mm per coat for standard renders.	Optional if suitable surface has been achieved with first render coat.
Macprime	Reduces suction, provides barrier against alkalinity/ moisture and improves render-coating adhesion.	Approx. 6 m ² / litre when thinned 20% with clean water.	One coat
Mactexture acrylic trowel-on/roll-on textured finish	Provides even textured appearance to rendered surface.	Between 0.6 - 1.3 m ² /litre depending on selected grade.	One coat. Optional if painted render finish is required.
Satin Low Sheen or Matt	Resists moisture ingress, fading and dirt pick-up. Also provides limited crack-bridging ability.	Approx. 4 m ² / litre.	Two coats - Required for full 7 year warranty.

Surface Preparation

- > Remove grease, form oils and release agents with a commercial grade detergent. If water splashed onto the concrete surface results in beading, then release agents have not been properly removed. Clean again to ensure no water beading occurs.
- > Treat mould or moss with a suitable mould treatment. Remove shiny surfaces using mechanical abrasion.
- > All surfaces must be clean and free from any impurities which may adversely affect the bond strength of renders and applied finishes.
- > Remove any loose, chalky or flakey material by brushing or pressure cleaning if required.
- > Fill any holes and repair imperfections in panels ensuring base is suitable for application of a thin base render. Allow repaired sections to dry fully before rendering.
- > Moisture content of the concrete panels should not exceed 10%. Check with a moisture meter prior to coating system application.

Control Joints

- > Control joints must be placed as per engineers recommendation.
- > Joints between panels must be caulked and must not be bridged by the render and texture coating system.

Application Of Base Render

- > Apply Macrender® HBS directly to the concrete panels at a thickness of between 2 - 4 mm. Allow to firm up sufficiently, then float to a smooth finish ready to accept the second coat of render (if required) or either a textured finish or paint.
- > Apply a second coat of render only if a suitable finish or a minimum coating thickness of 2 mm has not been achieved with a single coat. This second coat need not be Macrender® HBS. Instead, apply Macrender® Coarse over the HBS to attain a suitable finish for a textured or painted finish.
- > Control and movement joints must be placed as per installation manual and must not be bridged by the coating system.
- > Allow rendered surface to cure for a minimum of 4 days prior to overcoating.
- > Prime with a single coat of MAC Primer and allow to dry thoroughly.

Finish Coat Application

- > Apply selected trowel-on or roll-on textured finish in selected colour as per product specific product data sheet. Allow to dry for a minimum 24 hours prior to painting. This stage is optional depending on the textured appearance required.
- > Apply two coats of MAC Satin membrane (low sheen or matt) in selected colour.

Materials Warranty

When applied in accordance with the above specification, MAC will provide a 7 year materials warranty against peeling and delamination. This warranty does not cover workmanship or product failure caused as a result of hydrostatic pressure, entrapped moisture or structural movement. See warranty for details.

IMPORTANT NOTE:

Melbourne Acrylic Coatings Victoria Pty Ltd, its staff and distributors will not accept responsibility for any failure caused as a result of factors beyond our control including but not limited to onsite handling, preparation or application of this product. Application of this product should only be performed by qualified trades people trained in the use of this type of product. Information supplied in this publication is based on our testing and experience and is given in good faith. Suitability of this product should be independently determined prior to use. Warranty is limited to the replacement of any materials proven to be faulty. MAC will not warrant job defects caused as a result of but not limited to, structural movement or entrapped moisture.

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