

COATING SYSTEM SPECIFICATION: MCS-016-13/09

CONCRETE BLOCK WORK RENDER & ACRYLIC TEXTURE STANDARD

General Information

Concrete blocks are one of the more commonly used substrata when a rendered finish is to be used. Due to the large block size, expansion and contraction occurs on a larger scale than for standard brickwork, often resulting in hairline cracking along mortar joints and ultimately coating failure. As such, MAC has created a premium and standard coating system for this sometimes problematic product.

Materials Required

- > Macrender® Coarse FR
- > Macrender®, Macrender® Coarse or Supaskim for second render coat
- > MAC Primer for application over render prior to finish-coating
- > Mactexture trowel-on or roll-on decorative finish in selected colour (optional)
- > MAC Satin Flex elastomeric membrane in selected colour

Base Preparation

- > Concrete blocks should be installed as per manufacturers technical documentation.
- > All wall should be thoroughly capped/flushed and free from any internal moisture which may migrate to the surface at a later stage.
- > All surfaces must be clean and free from any impurities which may adversely affect the bond strength of renders and applied finishes. All joints must be flush filled. Any signs of efflorescence must be thoroughly removed with a wire brush prior to rendering.
- > Fill any holes and repair imperfections with Hi-Build render ensuring base is suitable for application of a thin base render. Allow repaired sections to dry fully before rendering.
- > In hot, dry and windy conditions, pre-wetting of walls with clean water will extend the working time of the initial render coat. This will ultimately improve bond strength, surface finish and hydration of the render.

Application Of Base Render

- > Control and movement joints must be placed as per engineer's requirements and must not be bridged by the render and coating system.
- > Apply Macrender® Coarse FR to the blockwork at a thickness of approximately 3 - 5 mm and float to a level finish to accept the finish render coat.
- > Once the base coat has set sufficiently, apply a finishing coat of Macrender®/Macrender® Coarse/Supaskim, and float or sponge to a finish suitable for the subsequent textured or painted finish.
- > Allow rendered surface to cure for a minimum of 5 days prior to overcoating.
- > Render which has dried prematurely due to climatic conditions at the time of application may require further misting with water to assist hydration and strength development.
- > Prime rendered surface with one coat of MAC Primer and allow to dry thoroughly prior to the application of textured finish or paint.

Finish Coat Application

- > Apply selected Mactexture 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 if render has been sponge finished for paint.
- > Apply two coats of MAC Satin Flex elastomeric membrane 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 or structural movement. See warranty for details.

- > Warranty does not cover products formulated and supplied by third parties. Contact supplier for further 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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