

COATING SYSTEM SPECIFICATION: MCS-012-17/09

AFS LOGICWALL

Render & Acrylic Texture

Materials Required

- > Fibreglass alkali resistant reinforcing mesh x 165 gsm (non-adhesive)
- > Fibreglass external angles (165 gsm minimum)
- > Macpatch Coarse plus addition of 2 litres Macrender
- > Macprime - tinted to selected colour
- > Mactexture trowel-on or roll-on decorative finish in selected colour (optional)
- > Satin membrane in selected colour (available in low sheen or matt). Selected colour must have an LRV of greater than 45% to minimise heat induced substrate expansion/contraction.

Prior To Coating Application

- > AFS wall system should be installed as per manufacturers technical documentation.
- > All surfaces must be clean and free from any impurities which may adversely affect the bond strength of renders and applied finishes.

Base Preparation

- > Fill any holes and repair panel imperfections in accordance with manufacturers recommendations 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, application of Macprime HP to raw AFS panels will extend the working time of the render. If a primer is applied, ensure it has fully dried prior to the application of the first render coat.

Application Schedule - In Order of Application

PRODUCT	PURPOSE	SPREAD RATE / FILM THICKNESS	NOTES
Macpatch Coarse + addition of 2 litres Macrender®	Provides adhesion to base panels and encases reinforcing mesh. This coat provides the key strength of the coating system.	2-3 mm	Required as initial render coat to AFS surface. Fully embed FG reinforcing mesh into wet Macpatch Coarse over entire AFS surface during render application. FG to be embedded near Macpatch surface. FG sheets to overlap 100 mm min.
Macpatch Coarse + addition of 2 litres Macrender®	Provides added thickness and strength to coating system whilst providing the appropriate surface finish for subsequent coats in the system.	2-3 mm	Required to bring surface to suitable level surface to receive textured colour coat.
Mactexture acrylic textured finish	Provides a decorative textured finish and added durability of the coating system.	Varies greatly depending on selected textured finish. See product specific data for further information.	1 coat.

PRODUCT	PURPOSE	SPREAD RATE / FILM THICKNESS	NOTES
SatinFlex 100% acrylic elastomeric membrane	Improves moisture, fade and dirt resistance. Also provides limited crack-bridging ability.	Approx. 4 m ² / litre per coat.	2 coats required. Selected colour must have LRV greater than 45%.

General

- > The use of self adhesive reinforcing mesh is not permitted.
- > On external corners, embed 200 mm fibreglass reinforcing angle into initial Macpatch Coarse + HBS base coat whilst wet.
- > For internal corners, MAC recommends that this joint is treated as a control/movement joint. This joint shall be caulked as per sheet manufacturer's recommendations and not bridged by the render & texture system.

Control Joints

- > All control joints must be placed and detailed as per engineer's or substrate provider's recommendations.
- > Control joints must be appropriately caulked and must not be bridged by the coating system.

Application Of Base Render

- > Clean surface thoroughly, ensuring all contaminants are removed from the surface prior to rendering.
- > Apply Macpatch Coarse + Macrender to the panels at a thickness of approximately 2 - 3 mm and embed FG mesh lightly into the render surface. It is important that the FG mesh sits on the face of the render, away from the AFS surface. Once mesh is embedded, skim with another coat of Macpatch Coarse + Macrender wet-on-wet until FG mesh is no longer visible.
- > Apply a second coat of Macpatch Coarse + Macrender and float to a true surface ready to accept an acrylic textured finish or painted finish as required.
- > Control and movement joints must be placed and detailed as per installation manual and must not be bridged by the render or textured finish. Refer to panel installation manual for caulking details.
- > Allow rendered surface to cure for a minimum of 4 days prior to overcoating.

Finish Coat Application

- > Apply selected trowel-on or roll-on Mactexture acrylic finish (i.e. 1140 Sandfinish) in selected colour as per product specific product data sheet. Allow to dry for a minimum 24 hours prior to painting.
- > Apply two coats of MAC SatinFlex 100% acrylic elastomeric membrane in selected colour. Dark colours must be avoided to reduce risk of thermal cracking in the coating system caused by severe heat build-up. Selected colour must have an LRV greater than 45%.

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 or cracking caused as a result of hydrostatic pressure, entrapped moisture or structural/substrate 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 and cracking caused as a result of but not limited to, structural/substrate movement or entrapped moisture.

