

COATING SYSTEM SPECIFICATION: MCS-006-12/01

# FIBRE-CEMENT SHEET

## Skim Render & Acrylic Texture

### Materials Required

- > Macprime HP for application to raw/unsealed FC sheet
- > Macpatch Coarse for setting joints (with addition of 5-10% cement by weight)
- > Macpatch Coarse for levelling skim render (with addition of 5-10% cement by weight) or Dri-Patch
- > Alkali-resistant fibreglass reinforcing tape 200 mm
- > Fibreglass, aluminium or stainless steel external angles
- > Mactexture roll-on or trowel-on acrylic textured coating tinted to selected colour (optional)
- > MAC Satin 100% acrylic membrane topcoat

### Application Schedule - In Order of Application

PRODUCT	PURPOSE	SPREAD RATE / FILM THICKNESS	NOTES
<i>Macprime HP</i>	<i>Reduces suction, provides barrier against alkalinity/ moisture and improves render-coating adhesion.</i>	<i>Approx. 5.5 m<sup>2</sup> / litre</i>	<i>Apply only if FC sheet has not been factory sealed i.e. Blueboard</i>
<i>Macpatch Coarse</i>	<i>Provides flexible reinforcement of FC sheet joint when used in conjunction with alkali resistant FG tape</i>	<i>N/A Fill joint flush with face of sheet ensuring FG mesh has been fully embedded.</i>	<i>Requires addition of 5-10% GP cement to improve tensile strength and weather resistance.</i>
<i>Macpatch Coarse or Dri-Patch</i>	<i>Used to skim over entire sheet surface to bring to a smooth and level finish.</i>	<i>Approx. 0.7 - 0.5 m<sup>2</sup> / litre.</i>	<i>Macpatch Coarse requires addition of 5-10% GP cement to improve tensile strength and weather resistance.  Float to a paintable finish if no textured finish is to be applied.  May require 2 coats.</i>
<i>Mactexture acrylic trowel-on/roll-on textured finish</i>	<i>Provides even textured appearance to rendered surface.</i>	<i>Between 0.6 - 1.3 m<sup>2</sup>/litre depending on selected grade.</i>	<i>Optional if painted render finish is required.</i>
<i>Satin 100% acrylic (low sheen or matt)</i>	<i>Improves resistance to moisture ingress, fading and dirt pick-up. Also provides limited crack-bridging ability.</i>	<i>Approx. 4 m<sup>2</sup> / litre.</i>	<i>2 coats required.  Selected colour must have LRV greater than 45%.</i>

## Prior to Rendering

### Surface Preparation

- › Fibre-cement base sheet 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.
- › All joints must be rebated prior to application of Macpatch jointing compound. If sheets have been cut and no rebate exists, one must be formed and primed to match factory rebated edges.
- › Raw/unsealed FC sheet must first be primed with Macprime HP or Macprime thinned 20% with clean water.
- › All horizontal surfaces such as, fence caps and window sills must have the cement sheet installed with a minimum 10 degree fall to facilitate drainage of water and eliminate ponding.
- › Ensure all joints are clean and free from any impurities which may adversely effect adhesion of the jointing system.

### Setting Joints

- › Apply Macpatch Coarse (with addition of 5-10% GP cement) to the rebated joint and embed 200 mm alkali resistant fibreglass reinforcing mesh into the wet material. Trowel over with another skim coat of Macpatch Coarse ensuring reinforcing mesh is fully embedded and not visible. The use of self adhesive reinforcing tape for setting joints is not acceptable.
- › Try to keep joints as flush with the surface as possible to reduce the risk of ridges along the joints in the finished coating.

### External Angles

- › Trowel Macpatch Coarse (with addition of 5-10% GP cement) into the rebated section of each face and embed a fibreglass reinforcing angle using the same method as described above. The use of self adhesive reinforcing tapes is not permitted.
- › Alternatively, fasten an aluminium or stainless steel external bead to the cement sheet and fill rebate with either Macpatch Coarse (with addition of 5-10% GP cement) until flush.
- › The use of plastic beads and trims is not recommended due to their tendency to buckle and ultimately delaminate in certain conditions.

## Application of Render System

### Application of Levelling Skim-coat

- › Clean surface thoroughly, ensuring all contaminants are removed from the surface prior to rendering.
- › Apply Macpatch Coarse or Dri-Patch to the panels at a thickness of approximately 2 - 3 mm and float to a sufficiently smooth finish.
- › Apply a second coat of Macpatch Coarse or Dri-patch, only if a suitable finish has not been achieved with a single coat. Keep in mind that only small irregularities in the Macpatch finish can be taken up with the application of a textured decorative coating.
- › Control and movement joints must be constructed, positioned and caulked as per FC sheet manufacturers or engineers recommendations and must not be bridged by the render or textured finish. Allow rendered surface to cure for a minimum of 24 hours prior to overcoating or until full dry.
- › Macpatch Coarse should not be applied in thicknesses exceeding 4 mm per coat as through-drying may be difficult to achieve in cool or moist conditions or over surfaces with low porosity.

### Windows and Door Sills

- › All horizontal areas must be rendered with a minimum 10 degree fall to facilitate drainage of water and eliminate ponding.

### 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. If a membrane finish is to be applied, this stage is optional.
- › Apply two coats of MAC Satin 100% acrylic membrane (low sheen or matt) in selected colour. *Avoid dark colours to limit the possibility of thermal expansion and contraction of the FC base sheet. Excessive expansion*

*and contraction of the base sheet caused by heating and cooling may eventually lead to joint fracturing.  
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 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 or cracking caused as a result of but not limited to, structural/substrate movement or entrapped moisture.

[WWW.MELBACRYLIC.COM.AU](http://WWW.MELBACRYLIC.COM.AU)

**MAC**  
**RENTERS &  
ARCHITECTURAL  
COATINGS**