

## COATING SYSTEM SPECIFICATION: MCS-160218-1

**EZY-LITE**

## Skim Render &amp; Acrylic Texture

**MATERIALS REQUIRED**

- > Macprime HP for application to raw/unsealed Ezy-Lite
- > Macpatch Coarse for levelling skim render
- > Macrender polymer render for addition to Macpatch Coarse only (Do not apply Macrender directly to Ezy-Lite)
- > Alkali-resistant fibreglass reinforcing mesh
- > 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 to all unsealed surfaces prior to application of Macpatch Coarse skim render.</i>   |
| <i>Macpatch Coarse + 2 litres Macrender</i>                 | <i>Provides flexible reinforcement of Ezy-Lite joint when used in conjunction with alkali resistant FG mesh.</i>       | <i>Application thickness 2-4.</i>   | <i>Add approx. 2 litres or Macrender to Macpatch Coarse and thoroughly mix to improve tensile strength and weather resistance. Embed alkali-resistant FG mesh into wet material. Do not use self adhesive mesh. Mesh to be embedded near face of first coat, not resting against Ezy-Lite surface.</i> |
| <i>Macpatch Coarse + 2 litres Macrender</i>                 | <i>Used to skim over entire surface to bring to a smooth and level finish.</i>   | <i>Approx. 0.7 - 0.5 m<sup>2</sup> / litre.</i>                           | <i>Float to a smooth finish suitable for acceptance of Mactexture acrylic texture coating.</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>Provides an evenly grained textured effect to the wall surface.</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.</i>   |

## Prior to Rendering

### SURFACE PREPARATION

- > Ezy-Lite 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.
- > Raw/unsealed Ezy-Lite must first be primed with Macprime HP.
- > All horizontal surfaces such as, fence caps and window sills must have the Ezy-Lite installed with a minimum 10 degree fall to facilitate drainage of water and eliminate ponding.

### EXTERNAL ANGLES & TRIMS

- > Fasten aluminium or stainless steel external bead to the cement sheet and trowel over with Macpatch Coarse (with addition of approx. 2 litres Macrender) until flush. Allow to dry prior to application of skim coat.
- > 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

- > Ensure Macprime HP is thoroughly dry.
- > Clean surface thoroughly, ensuring all contaminants are removed from the surface prior to rendering. It is best to over coat Macprime HP soon after it has thoroughly dried. This will minimise the amount of surface contamination prior to the application of the skim coat.
- > Apply Macpatch Coarse (with addition of approx. 2 litres Macrender) to the primed Ezy-Lite panel and embed alkali resistant fibreglass reinforcing mesh into the wet material. Some contractors like to use an angled 6 mm notched trowel to better gauge the application thickness. Ensure mesh is embedded nearer the face of the render and not the Ezy-Lite itself. Trowel over the mesh, ensuring it is fully embedded and not visible. The use of self adhesive reinforcing mesh is not acceptable. Each successive sheet of mesh must be overlapped a min. 100 mm.
- > Try to keep mesh overlaps as flush with the surface as possible to reduce the risk of ridges along the mesh overlaps in the finished coating.
- > Apply a second coat of Macpatch Coarse (with addition of approx. 2 litres Macrender). Keep in mind that only very small irregularities in the Macpatch finish can be taken up with the application of a textured decorative coating. This second coat can be applied wet-on-green but is best applied wet-on-dry to facilitate the through drying of the render system.
- > Control and movement joints must be constructed, positioned and caulked as per Ezy-Lite 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. Ensure Ezy-Lite details have been followed as per technical manual.

### 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.
- > Apply two coats of MAC Satin 100% acrylic membrane (low sheen or matt) in selected colour. *Dark colours must be avoided to reduce the possibility of thermal expansion of the Ezy-Lite base sheet. Excessive expansion and contraction of the base sheet caused by heating and cooling may eventually lead to joint fracturing.*

### 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.

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**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. MAC will not warrant job defects and cracking caused as a result of issues including, but not limited to, structural/panel joint/ substrate movement or entrapped moisture.

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