

## FOR PRE COATED EPS CLADDING SYSTEMS

MasterWall Australia's Master A.R.T system is an ideal coating system for pre-coated Expanded Polystyrene Systems (EPS). Coated EPS offer one of the lightest walling products known with excellent insulation properties. The Master A.R.T system provides a durable, flexible and superior coloured texture system on pre-coated EPS.

### 1 Prep Coat #1

#### PRO BASECOAT

Trowel applied.  
Pro Render 1 Bag - 3m<sup>2</sup> @ 4mm  
Pro Plus Render 1 Bag - 3m<sup>2</sup> @ 4mm

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### 2 Prep Coat #2

#### PRO BASECOAT

(Optional second coat)  
Just add water. Trowel applied.  
Pro Render 1 Bag - 3m<sup>2</sup> @4mm  
Pro Plus Render 1 Bag - 3m<sup>2</sup> @4mm

2

### 3 Primer

#### MASTER PRIMER

#### Masonry Concentrate

Dilute 50:50 with water before use  
15L Pail Covers 300m<sup>2</sup> @ 10m<sup>2</sup>/L

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### 4 Texture Coating

Choose from:

**Marble** Medium Covers (~12m<sup>2</sup>/15L)

**Sand** Fine (~14m<sup>2</sup>/15L) & Medium (~12m<sup>2</sup>/15L)

**Sapphire** Sparkle (~12m<sup>2</sup>/15L)

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### 5 Membrane Coating

Choose from:

**Masterflex** (~75m<sup>2</sup>/15L)

Available in Matt & Low Sheen

**Master Shield** (~50m<sup>2</sup>/15L)

**Master Clear Protect** (~105m<sup>2</sup>/15L)

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Marble Medium tinted to Colorbond Paperbark



Masterflex tinted to Colorbond Paperbark

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### IMPORTANT REQUIREMENTS

Pre Coated EPS panels must be installed in accordance with the manufacturer's instructions. Refer to the manufacturers Technical Manual.

- Frame details and panel fixings must comply with relevant building codes\*
- Timber framing must comply with AS1684-1992 National Timber Framing Code
- Metal framing must comply with AS3623-1993 Domestic Metal Framing
- All exposed corners and bottom edges of the panels must be protected with approved trims designed for a build of 3-6mm.
- Once application of the Master A.R.T system has occurred, the applicator is taken to have approved the installation and fixing of the panels
- Ensure that the surface is clean, sound, dry and free from contaminants including oil, grease, dust, dirt, silicone, mud, salt, efflorescence, animal droppings and any loose or flaking material.

### PREP COAT #1

Materials required:

- Master A.R.T Pro Render, 20 kg bags.
- Alkali resistant fiberglass mesh, at least 160 gsm x 5mm –cut pieces of mesh to size before starting the rendering.

Procedure:

- Prepare Master A.R.T Pro Render as per the relevant Tech Data sheet.
- Start at a vertical joint and apply a 3-5mm layer of Master A.R.T Pro Render along the length of the joint. Press a length of reinforcing mesh into the render and smooth out with a suitable float. The mesh must be a single piece cut to the length of the joint. The mesh MUST NOT be pushed back through the render to the surface of the panel.
- Once the joints and corners in the area being rendered have been coated and reinforced, apply Master A.R.T Pro Render

at a thickness of 3-5mm to the whole of the wall surface.

Don't render over expansion or control joints.

- Screed the render coat and float off.
- Allow minimum 3 to 4 hours curing time before applying second and subsequent render coats

### PREP COAT #2

(Optional second coat).

### PRIMER

The Render Coat must be primed prior to texture coating.

- Use diluted Master Primer and apply a single coat of at the rate of 10-13m<sup>2</sup>/litre.
- Allow Primer to dry before commencing following coats.

(Note: Master Primer is supplied as a concentrate which must be diluted 1:1 before use). Refer to the appropriate Tech Data Sheet.

### TEXTURE COATING

- Apply the selected Masterwall Trowel-On texture and follow the appropriate Tech Data Sheet.
- Application must be carried out in a brisk uniform fashion, terminating only when a whole area or section is completely coated, for example, at an expansion joint or corner.

Don't render over expansion or control joints.

- Masterwall texture coatings should not be extended (spread) too far; otherwise durability and/or hiding power may suffer.
- Allow minimum 48 hours before commencing the paint coat.
- Coverage depends upon the particle size of the texture coat; Marble Medium should give 12-14m<sup>2</sup>/pail. Fine texture will give a little more while coarser materials will cover less area.

### MEMBRANE COATING

Painting of texture with Masterflex is required to fully protect against water ingress, minimize dirt build up on the surface and to extend the life of the coating system. Refer to the appropriate Tech Data Sheet.

- Apply Masterflex as detailed in the current version of the Tech Data Sheet. Coverage should be 4-6m<sup>2</sup>/litre for a single coat over texture and 8-10m<sup>2</sup>/litre on a flat surface.
- Masterflex can be used if a full elastomeric membrane is specified. Masterflex can increase warranty in certain situations. Coverage should be 3-3.5m<sup>2</sup>/litre for a single coat over texture and 6-8m<sup>2</sup>/litre on a flat surface.
- Masterflex may require thinning, depending upon the application method used. Up to 1 litre of clean water may be added to a 15 litre pail (~6.5%) without the need to apply any extra coats. Thorough mixing is essential. Greater than 10% addition is not recommended in a final coat.

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