ACRYLOC® WALLCOTE® SYSTEM SPECIFICATION
for Pre Coated EPS Cladding systems

DESCRIPTION
Pre Coated EPS cladding systems are generally made from 'M' grade expanded polystyrene, coated with polymer modified render with alkaline resistant fiberglass mesh embedded.
Pre Coated EPS cladding systems are lightweight and have excellent insulation properties.
Pre Coated EPS is usually available in (1.2m) x 2.4, 2.7 & 3.0m sheets (50, 75,100 &125mm thicknesses): The sheets are fixed to timber or steel framing following the manufacturers installation guide, ready for application of render, texture and paint coatings

WALLCOTE COATING SYSTEM

The Wallcote System components recommended for use on *Pre Coated EPS* panels are shown below.

Recommended Components	Notes
PREP COAT #1 - **Render (essential)**	
Wallcote HPS Render	High Polymer Strength render provides a sound base coat, render over beads, trims and joints first & embed mesh, then skim coat the whole wall.
PREP COAT #2 - **Render (optional)**	
Wallcote HPS Render	To give total 6mm build of render over the panel
Primer (required)	
Acryloc Primerbond Masonry Concentrate	Ensures uniform porosity and suction of the render surface and aids adhesion of texture or paint coating to render
Texture Coating (choose from)	
Acryloc Marblecote Medium	Trowel On & Finish with a Texture Float
(or) Acryloc Eco-Tex Fine or Medium	Trowel On & Finish with a Texture Float
(or) Acryloc Allegro Medium	Trowel On & Finish with a Texture Float
	All texture coats are tintable to aid Colour Coat coverage
Membrane Coating (for full durability)	
Acryloc Armourflex	Highly Durable, Masonry Matt or Lo Sheen finish, protective Paint coating, tintable to a wide range of colours
(or) Armourflex Extreme	

FEATURES & BENEFITS
- Excellent water resistance with good vapour permeability
- Excellent crack resistance from a flexible acrylic base
- Strong adhesion and Excellent durability
- Easy to apply, Water based for easy & safe clean up
- Low maintenance

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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 Timer 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 6mm.

Once application of the Wallcote 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.
The *Pre Coated EPS* panels are supplied with a Portland cement-based render coating with mesh already embedded in the factory, Wallcote HPS render is applied as a levelling base coat on to the pre coated panel...

High quality alkali resistant fiberglass mesh pieces are placed around corners and reveals, across joints, and diagonally across the corner of window and door openings.

It is essential that the fresh render is in contact with the entire panel surface and that the mesh is fully surrounded or encapsulated by the render. The mesh MUST NOT be directly applied, fixed or glued to the panel surface. Self adhesive mesh is NOT suitable for this application.

The final render thickness is determined by the build size of the corner beads and other trims. 6mm Build is required to give the required thickness applied in two ~3mm coats.

PREP COAT #1

Materials required:

- Wallcote HPS Render, 20 kg bags.
- Alkali resistant fiberglass mesh, 150 x 160 gsm, – it is a good idea to cut mesh to size before starting the rendering.

Procedure:

- Prepare the Wallcote HPS Render as per the Wallcote HPS Render Tech Data sheet.
- Surface misalignments and protrusions are to be flushed and feathered out before commencing on broad areas.
- Apply a coat of Wallcote HPS Render to a thickness of 3-5mm.
- While the render is still wet, embed precut lengths of fiberglass mesh on joints, exposed EPS and at 45° at the corners of window and door reveals. The mesh should be cut to length prior to embedding.
- Press the mesh into the render with the edge of the trowel or similar straight edge. The mesh MUST NOT be pushed back all the way through the render to the surface of the panel.
- Trowel and Screed the render coat flat to hold and fully cover the mesh. Apply extra render as required to give at least 2mm thickness over the mesh and to provide a true, level surface with a render coat thickness of at least 6mm.
- As the Wallcote HPS Render begins to set, rub up the surface to eliminate trowel marks and provide a smooth surface for subsequent texture coating.

PREP COAT #2

- Apply a second coat of Wallcote HPS Render to a nominal thickness of 3mm.
- Float this second coat to achieve an even and true surface ready for priming & texture coating
- Allow at least 24 hours before applying the Primer
- Surface to be primed must have a residual moisture content <10%. Moisture meters should be used
- The render layer should provide a smooth even finish over the wall surface

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PRIMER

The Render Coat must be primed prior to texture coating.

- Use diluted Acryloc Primerbond Masonry Concentrate and apply a single coat of at the rate of 10-13 m2/L
- Allow Primer to dry before commencing following coats

(Note: Primerbond Masonry Concentrate 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 Acryloc 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.

Do not texture over expansion or control joints.

- Acryloc texture coatings should not be extended (spread) too far; otherwise durability &/or hiding power may suffer.
- Allow minimum 48 hours before commencing the paint coat.
- Coverage depends upon the particle size of the texture coat; Marblecote Medium should give 12-14 m2/pail. Fine texture will give a little more while coarser materials will cover less area.

MEMBRANE COATING

Painting of texture with Acryloc Armourflex 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 Acryloc Armourflex as detailed in the current version of the Tech Data Sheet. Coverage should be 4-6m^2/litre for a single coat over texture & 8-10 m^2/litre on a flat surface.
- Armourflex Extreme can be used if a full elastomeric membrane is specified. Armourflex Extreme can increase warranty in certain situations. Coverage should be 3-3.5 m^2/litre for a single coat over texture & 6-8 m^2/litre on a flat surface
- Acryloc Armourflex may require thinning, depending upon the application method used. Up to 1L of clean water may be added to a 15L 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.

WARRANTY

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law and the benefits provided by our warranty are in addition to other rights and remedies available to the consumer under the law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

In addition to these legal requirements, Acryloc Building Products provides a material replacement warranty against peeling or flaking of the full Wallcote™System caused by any defect in manufacture for a period of ten years when applied correctly by a skilled and experienced applicator in accordance with all current application criteria, including but not limited to, substrate type and preparation, application rates and methods, prevailing weather conditions and protection of finished work.

Acryloc Building Products provides no warranty, expressed or implied, against damage due to movement of the substrate or structure and Acryloc Building Products cannot accept responsibility for variations in colour, strength, appearance or workability resulting from on-site mixing procedures and conditions.

To claim under this warranty, contact us by phone, mail, or through the 'contact us' facility on our website (see the contact information below), and give details of the claim, including your contact details. Proof of purchase is required and we reserve the right to inspect the affected property at our cost.

MANUFACTURED BY

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