ACRYLOC® WALLCOTE™ SYSTEM
for Harpro Panel

DESCRIPTION

Harpro Autoclaved Aerated Concrete Panel is a lightweight masonry walling system containing extremely small and finely dispersed air pockets within the material.

Harpro Panel has different characteristics to conventional masonry and it is essential that a purpose designed render system is used.

Acryloc Wallcote FR Render has been specifically formulated for use on Harpro Panel and is the basis of a render, texture and paint system which provides high quality weather protection with an attractive finish, preventing water ingress to the wall structure while providing the required vapour permeability and flexibility.

WALLCOTE COATING SYSTEM

The Wallcote System components recommended for use on Harpro Panel are shown below.

Recommended Components	Notes
Render Coat (essential)	
Wallcote FR Render	Fibre reinforced, polymer modified, just add water. Specifically designed for compatibility with AAC Panel
Primer (recommended)	
Acryloc Primerbond Masonry Concentrate	Ensures uniform porosity and suction of the render surface and aids adhesion of texture coating.
Texture Coating (choose from)	All texture coats are tintable to aid Colour Coat coverage
Acryloc Marblecote Medium / Coarse	Trowel On
(or) Acryloc Eco-Tex Fine or Medium	Trowel On
(or) Acryloc Eco-Tex Scratch	Trowel On Scratch finish, use tinted Primerbond Rendercoat
Protective Colour Coat (for full durability)	
Acryloc Armourflex	Highly Durable, Masonry Matt finish, protective Paint membrane coating, tintable to a wide range of colours

IMPORTANT REQUIREMENTS

- Harpro Panel must be installed in accordance with the manufacturer's instructions. Consult the current version of the relevant Technical Manual for requirements. See www.homebuildglobal.com
- 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
- Once application of the Wallcote system has occurred, the applicator is taken to have approved the installation
- Ensure that the surface is clean, sound, dry and free from contaminants and any loose or flaking material.
- Holes should be filled and damaged areas patched. All joints should be filled flush with an approved Harpro Panel adhesive.

COATING SYSTEM

The primary objective of the coating system is to weather proof the Harpro panels, in particular to prevent water ingress through the panel while allowing water vapour in and out. The full Acryloc render, texture and paint coating system meets these requirements while having the elasticity to bridge cracks of at least 1mm.

The Harpro panels are coated with Acryloc Wallcote FR Render applied as a levelling base coat.
This cement render coat must then be primed to even out suction, to ensure good adhesion and to give even colour.

The selected texture coat, Marblecote or Eco-Tex is then applied to provide an attractive finish with excellent flexibility.

Finally, a medium build protective paint coating, Armourflex Masonry Matt, is applied to give full weather protection, maximum durability and accurate colour.

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RENDER COAT

The Harpro Panel surface should not be saturated nor very dry, so as to provide a medium suction.
Prepare Wallcote FR Render as per the relevant Tech Data sheet.
A finished render coating of about 3mm is required to give optimum strength and resistance to hairline cracking.

- Apply with a hawk and trowel to achieve a 2-4mm layer. As the Wallcote FR Render begins to set, rub up the surface to eliminate trowel marks and provide a smooth surface for subsequent texture coating.
  Do not render over expansion or control joints. Render must not bridge the damp proof course.

At the recommended thickness of 2-4mm, coverage should be 7-9m²/bag.
A single coat is sufficient for Harpro Panel panels but a second coat can be applied to cover mis-aligned joints.
Wallcote FR Render must be overcoated with an Acryloc Texture Coating. Allow 24 hours curing per coat of render before applying the texture coating.

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 13-15 m²/L
- Allow 45 minutes to dry before commencing the texture coat (@ 25ºC & 50% Relative Humidity)
- Note: Primerbond Masonry Concentrate is supplied as a concentrate which must be diluted 1:1 before use

TEXTURE COATING

- Apply the selected Acryloc Trowel-On texture as detailed in 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 and hiding power may suffer.
- Allow 24 hours before commencing the paint coat.
- Coverage depends upon the particle size of the texture coat; Marblecote Medium should give 12-14m²/pail. Coarse texture will give a little less while finer materials will cover more area.

PAINT COATING

Painting of texture with Acryloc Armourflex is required to fully protect against water ingress, to minimize dirt build up on the surface and to extend the life of the coating system.

- Apply Acryloc Armourflex as detailed in the current version of the Tech Data Sheet.
  Coverage should be 4-6m²/litre for a single coat over texture.

Clean-Up

Clean up all Wallcote System materials with water.

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 (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.

QAS INTERNATIONAL ISO 9001:2008 REGISTERED FIRM Certificate No. A1230AUS

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