ACRYLOC® WALLCOTE™ SYSTEM SPECIFICATION
for Autoclaved Aerated Concrete (AAC)

DESCRIPTION

Autoclaved Aerated Concrete is a lightweight masonry containing extremely small and finely dispersed air pockets within the material. eg. Hebel® PowerPanel® and Hebel® Block, Harpro Panel®, Litew8 Panel, Maxiwall®

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

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

This specification should not be used for LOXO® panels.

WALLCOTE COATING SYSTEM

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

Recommended Components	Notes
Prep Coat #1 (essential)	
Wallcote FR Render	Fibre reinforced, polymer modified, just add water. Specifically designed for compatibility with AAC. (Apply Optional second coat if required).
Primer (required)	
Acryloc Primerbond Masonry Concentrate	Ensures uniform porosity of the render surface and aids adhesion All texture coats are tintable to aid Colour Coat coverage
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

- AAC must be installed in accordance with the manufacturer's instructions. Consult the current version of the relevant Technical Manual for requirements.
- 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

PREP COAT #1

- Holes should be filled and damaged areas patched. All joints should be filled flush with an approved AAC adhesive.
- The AAC 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 7-9 m^2/bag.
- A single coat is usually sufficient for AAC panels.
- Wallcote FR Render must be over coated with a texture system or membrane coating system.
- Allow minimum 3 to 4 hours curing time before applying second and subsequent render coats.
- 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

PREP COAT #2

- In some situations (panel installation not flat) it may be necessary to apply a second coat of Wallcote FR Render to achieve a flat surface.
- A second coat should always be applied to AAC block work.

PRIMER

The Wallcote FR Render 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.

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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 m^2/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.

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 (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.

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