

## ACRYLOC<sup>®</sup> WALLCOTE<sup>™</sup> SYSTEM for Loxo<sup>®</sup> Lightweight Masonry Panels

### DESCRIPTION

Loxo<sup>®</sup> is a 50mm thick lightweight masonry panel made from Autoclaved Aerated Concrete.

Loxo<sup>®</sup> provides a cost effective, durable walling system for residential and commercial applications.

AAC has different characteristics to conventional masonry because of the small and finely dispersed air pockets within the material and it is essential that a purpose designed cement render is used as part of the coating system.

Wallcote Trade Render has been formulated for use on Loxo<sup>®</sup> panels and is the basis of a system which provides water resistance, vapour permeability and the flexibility to resist surface cracking combined with an attractive surface finish.

### WALLCOTE COATING SYSTEM



The Wallcote System components recommended for use on Loxo<sup>®</sup> panels are shown below.

#### Recommended Components

#### Notes

##### ↳ Render Coat (essential)

Wallcote Trade Render

Alkali-resistant fibreglass mesh is encapsulated in the Render Coat  
High build, cement based render, add Liquid Bond to mix water.  
Designed as a Base Coat for use with Loxo<sup>®</sup>

##### ↳ Primer (essential)

Acryloc Prime Seal

(or) Acryloc Rendercoat

Ensures uniform porosity and suction of the render surface and aids  
adhesion of texture coating.

##### ↳ Texture Coating (choose from)

Acryloc Marblecote Medium or Coarse

(or) Acryloc Eco-Tex Fine or Medium

(or) Acryloc Eco-Tex Scratch

All texture coats are tintable to aid Colour Coat coverage

Trowel On

Trowel On

Trowel On Scratch finish, requires tinted primer coat, see below

##### ↳ Protective Colour Coat (essential)

Acryloc Armourflex

Highly Durable, Masonry Matt finish, protective Paint coating,  
tintable to a wide range of colours

### IMPORTANT REQUIREMENTS

- Loxo<sup>®</sup> panels must be installed in accordance with the current version of the Loxo<sup>®</sup> Design and Installation 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
- 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.
- Surface misalignments and protrusions are to be trimmed back, all joints and deep voids should be prefilled using Loxo<sup>®</sup> Adhesive.
- Any wires, nails, staples or steel on the surface must be completely removed, exposed reinforcement bars must be treated with appropriate Loxo<sup>®</sup> corrosion protection paint in accordance with the Loxo<sup>®</sup> Design and Installation Manual.
- Once application of the Wallcote system has occurred, the applicator is taken to have approved the installation and fixing of the panels

Loxo<sup>®</sup> is a registered trademarks of Loxo Australia

Acryloc<sup>®</sup> is a registered trademark of Acryloc Building Products

## COATING SYSTEM

The primary objective of the coating system is to weather proof the Loxo® panel, in particular, to prevent water ingress through the panel and to allow vapour in and out.

Minimum requirements have been set by Loxo® Australia and these requirements are met or exceeded by this specification. In particular, the full render, texture and paint system has the elasticity to bridge cracks of at least 1mm. The Loxo® is coated with a high build Portland cement-based render, Wallcote Trade, applied as a levelling base coat and encapsulating high quality alkali resistant fibre glass mesh reinforcement.

Note that self adhesive mesh is available. Embedding non-adhesive mesh into wet render is preferred since this gives the maximum adhesion of render to the panel surface.

The cement render coat must be primed to ensure even suction to ensure good adhesion and 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.

## RENDER COAT

### Materials required:

- Wallcote Trade Render, 20 kg bags. Acryloc Liquid Bond, 2L bottle or 20L drum
- Alkali resistant fiberglass mesh, 160 gsm, 5mm – it is a good idea to cut mesh to size before starting the rendering.

### Procedure:

The Loxo® surface should not be saturated nor very dry, so as to provide a medium suction.

- Prepare the Wallcote Trade Render as per the relevant Tech Data sheet with the addition of Liquid Bond to the mixing water at the rate of 300mL per bag of render.
- Apply a coat of Wallcote Trade Render to a thickness of 3-4mm.
- While the render is still wet, embed precut lengths of fiberglass mesh. The mesh must be in single pieces cut to the full height of the section being coated.
- Ensure that the mesh pieces overlap by a minimum of 100mm.
- Cut the mesh at 45° at the corners of window and door reveals, trim to the size of the reveal and fold around the corner. Add extra mesh around the reveal corners and 300mm by 150mm pieces diagonally across each corner.
- Press the mesh into the render with the edge of the trowel or similar straight edge.
- 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.
- As the Wallcote Trade 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.**

A single coat of 3-5mm thickness is sufficient for Loxo® panels.

At this recommended thickness, coverage should be around 3m<sup>2</sup>/bag.

Wallcote Trade Render must be overcoated with an Acryloc Texture Coating.

Allow a minimum of 24 hours curing time before applying subsequent coats.

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## PRIMER

The Render Coat must be primed prior to texture coating.

### When using Eco-Tex Scratch Texture

- Use Acryloc Rendercoat tinted to the same colour as the Eco-Tex Scratch Texture to prevent the render coat showing through. Apply a single coat at the rate of 12-13 m<sup>2</sup>/L.
  - Allow 45-60 minutes to dry before commencing the texture coat
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## PRIMER (continued)

When using Marblecote, Eco-Tex Fine or Eco-Tex Coarse

- Apply a single coat of diluted Acryloc Primerbond Masonry Concentrate at the rate of 13-15 m<sup>2</sup>/L
- Allow 45 minutes to dry before commencing the texture coat

(Note: Primerbond Masonry Concentrate is supplied as a concentrate which must be diluted 1:1 before use)

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## 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 12-14m<sup>2</sup>/pail. Coarse texture will give a little less while finer materials will cover more area.

## PAINT COATING

Painting of texture with Acryloc Armourflex is essential 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 at the rate of 4-6m<sup>2</sup>/litre as detailed in the current version of the Tech Data Sheet.

## Clean-Up

Clean up all Wallcote System materials with water.

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## WARRANTY

Acryloc Building Products provides a material replacement warranty against bubbling, peeling or flaking of the full Wallcote® Coating System caused by any defect in manufacture for a period of ten years provided that the coating system is applied correctly by a skilled and experienced applicator in accordance with all current application criteria.

Acryloc Building Products provides no warranty, expressed or implied, against cracking or other damage due to movement of the substrate or structure and 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.

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.

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