acryloc® building products

WALLCOTE® Coating System

ACRYLOC® WALLCOTE® SYSTEM SPECIFICATION
RENDER ON MASONRY Brick & Block Work

DESCRIPTION
Walls found on both new and old buildings are commonly constructed of fired clay bricks or concrete bricks / blocks. Bricks and Blocks are laid with cement mortar joints that may be raked (relatively deep square recess), rolled (curved shallow recess) or flush (mortar flush to the brick face).
The Wallcote Coating System provides a range of products suitable to coat each of these variations.

WALLCOTE COATING SYSTEM
The Wallcote System components recommended for use on Clay or Concrete Brick and Block Walls are shown below.
These components are not recommended for previously painted walls; see the Acryloc Wallcote Specification for Painted Surfaces.

Recommended Components	Notes
Prep Coat #1 (essential)	Fill and level joints if not flush. Provide a sound base coat.
Wallcote Pro Render	suitable for 3-5mm build
(or) Wallcote Trade Render	suitable for 5-10mm build
(or) Wallcote Featherweight HB	suitable for raked joints and tumbled brick 10-20mm build
Prep Coat #2 (optional)	Where the Render First Coat primarily filled joints, and/or where texture is not to be used, sponged or similar render effect is required, provides a surface for painting.
Wallcote Pro Render	
(or) Wallcote Trade Render	
Primer (required)	
Acryloc Primerbond Masonry Concentrate	Ensures uniform porosity and suction of the render surface and aids adhesion of texture coating.
(or) Acryloc Primerbond Green Render	
Texture Coating (if required, 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)	Over sponged/floated render or over texture coat
Acryloc Armourflex	Highly Durable, Masonry Matt or Lo Sheen finish, protective Paint coating, tintable to a wide range of colours
(or) Armourflex Extreme	

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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

IMPORTANT REQUIREMENTS

- Brickwork walls can comprise relatively large, unbroken areas. Scaling or breaking the job down into smaller more manageable sections should be considered.
- The coating should always be carried through under flashings and over parapets. Raw edges where water may ingress must be avoided. Never extend the coating beyond the lower damp course line or coat over control joints.
- 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
- Avoid application in full sun, on hot surfaces or in hot windy conditions. Application should be carried out on a day with temperatures above 10°C and below 32°C

CHOOSING THE CORRECT RENDER

Use **Wallcote Pro** for:

- A single Render Coat on true, smooth Brick or Block to be followed with Acryloc Primer then Texture; (or),
- A second Render Coat over Wallcote Pro, Wallcote Trade or Wallcote Featherweight HB to give an attractive, paintable finish without texture coating; (or),
- As the first Render Coat on a low porosity surface, such as hard fired clay bricks.
  Where the porosity is very low, it is advisable to paint the wall with a solution of Liquid Bond and water (mixed 1:2) immediately before applying this first Render Coat and add 800mL of Liquid Bond to the mix water for each bag.
- Wallcote Pro is intended for use in 3-5mm layers only.

Use **Wallcote Trade** for:

- Medium to High build jobs, 6-10mm thick, to fill raked or rolled mortar joints and to level uneven wall surfaces; or,
- Wallcote Trade applied in the range 6-10mm thickness does not normally require the addition of Liquid Bond.
  If a thinner application is required use Wallcote Pro. The addition of Liquid Bond improves the adhesion, curing and strength of thin bed render coats.

Use **Wallcote Featherweight HB** for:

- High build jobs, 10-20mm thick in a single layer such as to fill deep mortar joints and to level uneven wall surfaces

Note: Wallcote Pro, Trade and Featherweight HB are not recommended for Autoclaved Aerated Concrete (AAC) Blocks or panels.

PREP COAT #1

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. Seaside substrates should be thoroughly washed to remove surface salts.

- Prepare Wallcote Render as per the relevant Tech Data sheet, adding Liquid Bond to the mixing water if required.
- Starting with a corner, work the product into the joints as required to bring them flush with the surface.
  Do not render over expansion or control joints. Render must not bridge the damp proof course.
- In the case of deep raked joints, apply the desired thickness of leveling render and screed off ready for the second coat, otherwise, apply sufficient Wallcote Render to give a thickness of 3-5mm over the highest point of the wall.
- Screed the render coat and float off. Refer to relevant Tech Data sheet.

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PREP COAT #2 (if required)

No Liquid Bond is required in the mix water for Wallcote Pro; use the recommended quantity of Liquid Bond for 2-4mm thick render for Wallcote Trade.

- Prepare Wallcote Render as per the relevant Tech Data sheet.
- Apply a coat of Wallcote Render to a nominal thickness of 3mm.
- Float this coat to achieve an even and true surface with the desired appearance, for example, steel floated, bagged or sponged finish ready for subsequent painting.

CURING TIME

Curing time allows the render to develop sufficient strength to resist mechanical damage before over coating.
In warm conditions, wetting or tempering of the freshly applied Render is recommended to ensure adequate curing.

Multiple Render Coats

- Allow minimum 3 to 4 hours curing time before applying second and subsequent render coats.
- Allow 2 to 3 days curing per coat of render before applying texture or paint coatings.
- **Single render coat**
- Allow 2 to 3 days before applying texture or paint coatings to a single, fresh 3-5mm render coat.
- **Sprayed Render**
- Allow 5 days before applying texture or paint coatings to a single, fresh sprayed render coat. More time is required because sprayed render is normally applied thicker than 3-5mm and because the mix contains more water per bag.
- Surface to be primed must have a residual moisture content <10%. Moisture meters should be used

PRIMER

Either

- Use Acryloc Green Render and apply a single coat at the rate of 7-8 m2/L.

Or

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

(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 or Roll-On texture as per the current version of the product 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 a natural break, expansion joint or corner. Do not texture over 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.

MEMBRANE COATING

If applying to render, the render surface must be primed first. No further primer is required if coating freshly applied texture. Coating 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. Apply Acryloc Armourflex as detailed in the current version of the Tech Data Sheet.
Coverage should be 8-10m^2/litre for a single coat over render, down to 4-5m^2/litre over coarse texture.

Application methods and processes should be approved by the client, preferably with the application of a site sample

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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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