

ACRYLOC[®] WALLCOTE[®] SYSTEM for Expanded Polystyrene (EPS) walling

DESCRIPTION

Expanded Polystyrene (EPS) is a versatile building material with high thermal resistance and high moisture resistance. Grade M EPS is available in board form in a range of thicknesses, designed to produce an exterior wall ready to accept coatings.

The boards are typically fixed to timber or metal framing in residential and low rise commercial buildings.

WALLCOTE COATING SYSTEM



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

Recommended Components

Notes

↳ Render First Coat (essential)

Wallcote Pro Render

Add Liquid Bond to mix water for good adhesion

Provides a sound base coat, embedded with mesh

↳ Render Second Coat (optional)

Wallcote Pro Render

Liquid Bond not required

For extra build or where texture is not to be used, sponged or similar render effect required, provides a surface for painting

↳ Primer (required)

Acryloc Prime Seal

Ensures adhesion of texture or paint coating to render

↳ Texture Coating (if required, choose from)

Acryloc Marblecote Medium / Coarse

All texture coats are tintable to aid Colour Coat coverage

Trowel On

(or) Acryloc Sandcote Fine/ Medium/ Coarse

Trowel On

(or) Trowel On Scratch

Trowel On

(or) Tuscan Fine/Moroccan Med./Rustic Coarse

Roll On

↳ Protective Colour Coat (for full durability)

Acryloc Armourflex

Over sponged/floated render or over texture coat

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

IMPORTANT REQUIREMENTS

- EPS boards must be installed as per the current edition of the supplier's Technical manual and related documents.
- Frame details and panel fixings must comply with relevant building codes and must be in accordance with the manufacturer's specification.
- Timber framing must comply with AS1684-1992 National Timber Framing Code
- Metal framing must comply with AS3623-1993 Domestic Metal Framing
- All exposed corners of the EPS boards must be protected with PVC or other exterior grade beading.
- Once application of the Wallcote system has occurred, the applicator is taken to have approved the installation and fixing of the boards
- Application methods and processes should be agreed by the client, preferably with approval of a site sample
- 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.

BEADS & TRIMS

Fix corner beads and trims with a polystyrene compatible adhesive.

RENDER FIRST COAT

- Prepare Wallcote Pro 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.
- Start at a joint and apply a 3-5mm layer of Wallcote Pro Render along the full length. Press a length of 160gsm alkali resistant woven fiberglass mesh into the render and smooth out with a trowel. The mesh must be a single piece cut to the length of the joint – it is a good idea to cut the mesh to size before starting rendering. Strips of mesh, 300mm long by 150mm, should be embedded in render across the corners of all window and door openings.
- Once the joints and corners in the area being rendered have been coated and reinforced, apply Wallcote Pro Render at a thickness of 3-5mm to the whole of the wall surface. **Do not render over expansion or control joints.**
- Screed the render coat and float off. The final render thickness is determined by the size of corner beads and trims. The render layer should provide a smooth even finish over the wall surface

RENDER SECOND COAT (if required)

No Liquid Bond is required in the mix water for the second render coat.

- Apply a coat of Wallcote Pro Render to a nominal thickness of 3mm.
- Float this coat to achieve an even and true surface with the desired appearance, for example, a 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 overcoating.

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.

PRIMER

The Render Coat must be primed prior to texture coating or painting to ensure good adhesion.

- Apply a single coat of Acryloc Prime Seal (Ready to Use) at the rate of 12.5-16.5 m²/L.
- Allow 45 minutes to dry before applying texture or paint.

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.

PAINT COATING

If applying to render, the render surface must be primed first. No further primer is required if painting freshly applied texture. Painting 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 8-10m²/litre for a single coat over render, down to 4-5m²/litre over coarse texture.

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 when 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 due to movement of the substrate or structure. Consult the Wallcote Warranty Conditions for further details.

Acryloc Building Products

174 Cavan Rd DRY CREEK SA 5094

P: +61 8 8368 0222

F: +61 8 8349 4260

E: sales@acryloc.com.au

W: www.acryloc.com.au