

ACRYLOC® WALLCOTE® SYSTEM For PWS *FoamPanel*

DESCRIPTION

FoamPanel cladding manufactured by Prestige Wall Systems is made from 'M' grade expanded polystyrene, coated with polymer modified render and alkaline resistant fiberglass mesh. The Prestige *FoamPanel* cladding system is lightweight and has excellent insulation properties. Prestige Wall Panel is available as 1.2 x 2.4m sheets in several forms:

- 40mm, 60mm, coated on one side, ideal for curved wall sections
- 40mm, 75mm coated on both sides.

The sheets are fixed to timber or steel framing, ready for application of render, texture and finish coatings on site.

WALLCOTE COATING SYSTEM



The Wallcote System components recommended for use on PWS *FoamPanel* are shown below.

Recommended Components

Notes

↳ Mesh over Joints/Corners, Fix Beads/Trims

Acryloc Patch (add 5-10% cement)

↳ Render First Coat (essential)

Wallcote Pro Render

Add Liquid Bond to mix water for good adhesion, provides a sound base coat

↳ 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

(or) Acryloc Sandcote Fine/ Medium/ Coarse

Trowel On

(or) Trowel On Scratch

Trowel On

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

Trowel On

Roll On

↳ Protective Colour Coat (for full durability)

Acryloc Armourflex

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

IMPORTANT REQUIREMENTS

- PWS *FoamPanel* must be installed in accordance with the manufacturer's instructions. Refer to the PWS *FoamPanel* Technical Data 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
- All exposed corners of the *FoamPanel* 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 panels
- 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.

JOINTS, CORNERS, BEADS & TRIMS

- Prepare Acryloc Patch by adding 5-10% of cement and mixing well.
- For joints, corners and other areas to be meshed, apply a thin layer along the full length. Press a piece of 160gsm alkali resistant mesh into the Acryloc Patch and smooth out with a suitable trowel. The mesh must be a single piece cut to the length of the joint or corner – it is a good idea to cut the mesh to size before starting rendering.
- For Beads & Trims, fix in place with construction adhesive and allow to dry. Trowel the Acryloc Patch over the whole length. Work into the holes to ensure that there are no voids and feather out onto the wall panel.
- Allow minimum 4 hours before applying render.

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 Liquid Bond per 20kg bag.
- Apply Wallcote Pro Render at a thickness of 3-5mm to the wall surface. Screed the render coat and float off. The final render thickness is determined by the size of corner beads and trims and should provide a smooth even finish over the wall surface. **Do not render over expansion or control joints.**

RENDER SECOND COAT (if required)

No Liquid Bond is required in the mix water for a 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 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 diluted Acryloc Prime Seal Concentrate 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 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.**
- Allow 24 hours before commencing the paint coat.

PAINT COATING

If painting render, the render surface must be primed first. No 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.

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