

ACRYLOC[®] WALLCOTE[®] SYSTEM for The Zego Wall System

DESCRIPTION

The Zego Wall System consists of interlocking Insulated Concrete Forms (ICF) manufactured from polystyrene, which are backfilled with concrete to produce an insulating, structural, interior or exterior walling system.

WALLCOTE COATING SYSTEM



The Wallcote System components recommended for use on Zego 150, 200 & 250 Insulated Concrete Form Walls 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 (essential)

Wallcote Pro Render

Liquid Bond not required
Fully encloses the mesh, can be texture coated or left with a sponged or similar render effect, providing 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
- (or) Acryloc Sandcote Fine/ Medium / Coarse
- (or) Trowel On Scratch
- (or) Tuscan Fine/Moroccan Med./Rustic Coarse

All texture coats are tintable to aid Colour Coat coverage
Trowel On
Trowel On
Trowel On
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

- Zego 150, 200 & 250 Insulated Concrete Forms must be installed as per the current edition of the Zego Systems Technical installation manual / video and / or related documents.
- System details and unit fixings must comply with relevant building codes and must be in accordance with the manufacturer's specification.
- Once application of the Wallcote system has occurred, the applicator is taken to have approved the installation and fixing of the walling system.
- 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.
- Apply a coat of Wallcote Pro Render to a thickness of 3-5mm. **Do not render over control joints.**
- While this coat is still wet, precut lengths of 160gsm alkali resistant woven fiberglass mesh should be embedded into the render. The mesh must be a single piece cut to the full height of the section being coated – it is a good idea to cut the mesh to size before starting the rendering. 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.
- Screed or trowel the render coat flat to hold and partly cover the mesh.

RENDER SECOND COAT

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

- Apply a coat of Wallcote Pro Render to a thickness of 3-5mm. ie. a total of 8mm of render with mesh in the centre.
- Float this coat to achieve an even and true surface with the desired appearance, for example, ready for texture coating or 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 Concentrate (mixed 50/50 with water) 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 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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