

ACRYLOC[®] WALLCOTE[®] SYSTEM for Unpainted Brick & Block Work, Clay & Concrete

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

↳ Render First Coat (essential)

Wallcote Pro Render

(or) Wallcote Trade Render

Fill and level joints if not flush. Provide a sound base coat.

↳ Render Second Coat (optional)

Wallcote Pro Render

(or) Wallcote Trade Render

Where the Render First Coat primarily filled joints, and/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

(or) Acryloc Sandcote Fine/ Medium/ Coarse

(or) Trowel On Scratch 1.5mm/2mm

(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

- While acrylic Texture Coatings will normally adhere directly to Brick or Block work, this will not hide the mortar jointing pattern; even the coarsest texture will show a subtle joint pattern of the substrate unless a render base coat is applied before the texture coat.
- Similarly, while flush joints diminish the brick outline, a render base coat is recommended to eliminate surface imperfections and hide joints, especially for finer textures.
- The primary function of the First Render Coat is to provide a sound, true base for subsequent coats. This base must fill the joints and level the wall to a thickness of 3-5mm over the highest point. Where the joints are heavily raked or the brick face is rough, this may require more than 10mm of render in some sections. In such cases, two coats of render are required, the first to fill the joints and the second to level the broad wall area.
- 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.
- 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 Texture; or,
- A second Render Coat over Wallcote Pro or Wallcote Trade for an attractive, light coloured, paintable finish; or,
- 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 the first Render Coat.

Wallcote Pro is polymer modified and 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,
- Add Liquid Bond to the mix water and use in place of Wallcote Pro as above.
2-4mm thick Wallcote Trade render: 1000mL (1 Litre) per 20kg bag
~ 4mm thick Wallcote Trade render: 750mL per 20kg bag
~ 6mm thick Wallcote Trade render: 500mL per 20kg bag

Wallcote Trade applied beyond 6-10mm thickness does not normally require the addition of Liquid Bond.
Liquid Bond improves the adhesion and strength of thin render coats.

Note: Wallcote Pro and Wallcote Trade are not recommended for Autoclaved Aerated Concrete Blocks or panels. Use Wallcote FR instead; see the Acryloc Wallcote Specification for Autoclaved Aerated Concrete (AAC)

RENDER FIRST COAT

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 washed to remove surface salts.

- Prepare Wallcote Render as per the relevant Tech Data sheet with the addition of Liquid Bond to the mixing water if required.
- Starting with a corner, work the product into the joints of the brickwork, if 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.

RENDER SECOND COAT (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.

PRIMER

The Render Coat must be primed prior to Texture Coating or Colour Coating to ensure good adhesion.

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

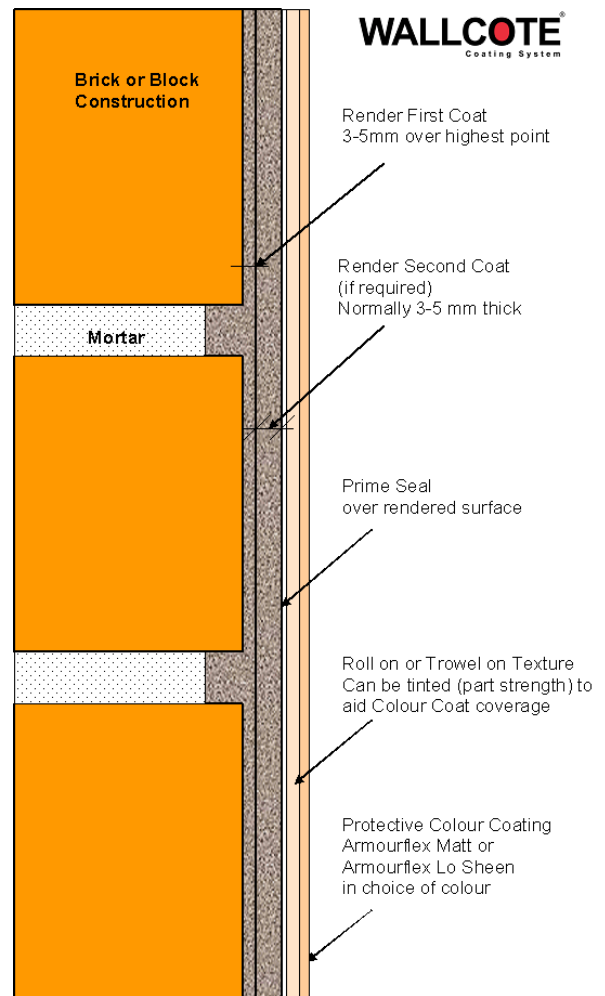
TEXTURE COATING

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.

PROTECTIVE COLOUR 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 8-10m²/litre for a single coat over render, down to 4-5m²/litre over coarse texture.



10 YEAR WARRANTY PROVIDED FULL SYSTEM APPLIED

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.

Once application of the Wallcote system has occurred, the applicator is taken to have approved the installation and fixing of the substrate.

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

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