

ACRYLOC[®] WALLCOTE[™] SYSTEM

The Wallcote System includes a full range of components for coating commonly encountered wall substrates. The coating system is fully covered by the Acryloc Manufacturer's Warranty; full Technical Data is available on request.

Suitable substrates include:

- Clay and Concrete Brickwork
- Autoclaved Aerated Concrete; eg Ecol Mega panels from One Stop Building Supplies & CSR Hebel[®] PowerPanel[®]
- Lightweight Concrete; eg QT[™] EcoSeries Wall System (Quik'NTuff) & Liteblok[™] walling.
- Fibre Cement Sheeting ; eg Harditex[®], CSR Texture Base Sheet, BGC Duratex[™]
- Rendered expanded polystyrene ; eg Prestige Wall Systems, Foamfast, Thermawall Plus, NRG Greenboard[™]
- Closed cell insulation panel; eg ecoTP board from Eco Group Australasia
- Insulating Concrete Forms; eg ZEGO
- Tilt panel concrete walls and Cement Render

The key products in the Wallcote range are listed below:

Product	Purpose / Notes
↳ Prime Coat	
Acryloc Prime Seal	Aids adhesion & provides even surface suction for over-coating
↳ Mineral / Cement Renders (Manufactured exclusively for Acryloc Building Products)	
Wallcote FR	Designed for AAC, polymer modified, fibre reinforced
Wallcote Pro Render	Polymer modified, cream colour, low - medium build, spray or trowel
Wallcote Trade Render	Traditional Render, grey colour, medium – high build, spray or trowel
↳ Joint Set / Beads	
Acryloc Patch	Add 5-10% cement for jointing & setting beads/trims
↳ Fill / Patch / Skim	
Acryloc Patch	Multi-purpose, patching & broad wall skim coating.
↳ Texture Coat (All textures are tintable to aid Colour Coat coverage)	
Acryloc Marblecote Medium or Coarse	Trowel or Spray On
Acryloc Sandcote Fine, Medium, Coarse	Trowel or Spray On
Acryloc Trowel On Scratch	Trowel On
Tuscan Fine, Moroccan Medium, Rustic Coarse	Roll-On
↳ Protective Colour Coat (for full durability) (All paint finishes are tintable)	
Acryloc Armourflex Masonry Matt	Durable High Build coating, tintable, flat finish for maximum hiding
or Acryloc Armourflex Lo Sheen	Durable High Build coating, tintable, stylish low sheen finish

Also Available:

Roofcote Supa Cool – heat reflecting roof membrane coating system

Exterior Grade Ceiling White, Interior Acrylic paints, Liquid Pigment, Tools & Consumables

Hebel[®] & PowerPanel[®] are trademarks of CSR Hebel[®] Australia. Harditex[®] is a trademark of James Hardie International Finance BV. QT[™] is a trademark of QT Systems. Duratex[®] is a trademark of BGC Australia Pty Limited. Greenboard[™] is a trademark of NRG Building Systems Pty Ltd.

WALLCOTE™ TEN YEAR SYSTEM 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 from the date of application, provided that:

- the substrate of the whole premises is substantially the same as the Site Sample/Reference Area (as approved by the owner/builder/specifier) and that the same materials and application procedures have been used for this area and for the whole project;
- the products have been applied correctly by a skilled and experienced applicator in accordance with all current application criteria, both as specified by Acryloc Building Products and as specified by the substrate manufacturer;
- the products have been stored in accordance with current criteria and have been used within the recommended shelf life period.

The liability of Acryloc Building Products pursuant to this warranty is limited to re-supply of the coating materials.

The Applicator provides a separate warranty for the application and workmanship.

Acryloc Building Products is not liable under this warranty for:

- damage or failure caused by movement of the substrate or structure;
- damage or failure caused by structural cracking;
- damage or failure caused by hydrostatic pressure or entrapped moisture;
- damage or failure caused by maltreatment, such as mechanical damage, whether during installation or at a subsequent time;
- damage or failure caused by faulty design and/or construction;
- variations in colour, strength, appearance or workability resulting from on-site mixing procedures and conditions.

This warranty is provided in lieu of all other warranties, whether expressed or implied, and all other obligations on the part of Acryloc Building Products apart from any warranties or conditions which arise by operation of law and which may not be negated or modified.

ACRYLOC BUILDING PRODUCTS:

- has been manufacturing premium quality water based exterior coatings for over twenty years;
- supplies customers throughout Australia as well as export markets including New Zealand and China;
- is part of the Bramalco/Modern Group, a privately owned set of companies turning over \$100+ million per year;
- factory and head office are located in Dry Creek, a suburb on the northern edge of Adelaide;
- all products are made in our factory, except for FR, Pro and Trade Renders which are made exclusively for Acryloc Building Products.

Product Technical Data & Specifications

ACRYLOC[®] PRIME SEAL

PRODUCT TYPE	PACKAGING	NOMINAL WEIGHT
Primers & Undercoats	5L, 10L, 15L Heavy Duty Plastic Pail	6kg, 12kg, 18kg respectively

Acryloc *Prime Seal* is a specially formulated pigmented masonry primer and sealer, designed to be highly penetrative into both dense and porous substrates.

Acryloc *Prime Seal* assists in increasing adhesion and reducing absorption of the topcoat, is water resistant, is water vapour permeable, helps block efflorescence and is alkali resistant.

The pigment in Acryloc *Prime Seal* helps applicators ensure complete coverage of both the *Prime Seal* and of the subsequent coating. Acryloc *Prime Seal* is supplied as a concentrate and must be diluted with clean water before use.

SUITABLE SUBSTRATES

- Cement Render & other rendered surfaces
- Fibre Cement Sheeting (Fibro/Blue board)
- Concrete floors and sports courts
- Asphalt paths and sports courts
- Limestone blocks
- Clay and Concrete Brickwork
- Concrete blocks
- AAC (Autoclaved Aerated Concrete)
- Tilt Panel & Off form Concrete

APPLICATION

Acryloc *Prime Seal Concentrate* must be diluted with clean water before use.

For most masonry surfaces, a 1:1 dilution is recommended:

- slowly add one (1) part Acryloc *Prime Seal Concentrate* to one (1) part of clean water and mix well.

For low porosity, dense substrates, such as highly polished concrete:

- slowly add one (1) part Acryloc *Prime Seal Concentrate* to two (2) parts of clean water and mix well.

Method

- Acryloc *Prime Seal* can be applied using a roller, brush, HVLP spray equipment or airless spray equipment
- If using spray equipment, a 19 thou tip and white gun filter is recommended
- Apply diluted Acryloc *Prime Seal* at the rate of 12.5-16.5 m²/L.

Coverage

~440m² per 15L Pail of concentrate when diluted 1:1

Clean-Up

Clean up with water

TECHNICAL DATA

APPEARANCE	Light grey viscous liquid		
ODOUR	Low		
RESIN TYPE	Modified acrylic emulsion		
APPLICATION METHODS	Roller, brush, spray		
SPECIFIC GRAVITY (NOMINAL)	~1.2 (as concentrate)		
DRY TIME (25°C & 50% RH) (APPROX)	Tack Free	Recoat/ Overcoat	Fully Dried
	30 mins	After 45 mins	2 hours
NO. OF COATS	Typically 1 coat		

Acryloc *Prime Seal* must be over-coated with appropriate products from the Acryloc range.

Product Technical Data & Specifications

ACRYLOC[®] PATCH

PRODUCT TYPE

Textures

PACKAGING

5L, 10L, 15L Heavy Duty Plastic Pails

NOMINAL WEIGHT

5L @ 9kg; 10L @ 17kg, 15L @ 25kg

Acryloc *Patch* is a durable, water based material for patching, filling and skim coating on a wide range of substrates.

Acryloc *Patch* is composed of finely graded sand and fillers in a water based acrylic emulsion processed with proprietary additives, extenders and a powerful fungicide/ anti-mildew agent.

Acryloc *Patch* may also be used for setting butt joints and beads/trims with the addition of 5-10% Portland Cement.

APPLICATION

Acryloc *Patch* does not require thinning but mixing with a power stirrer will enhance workability and coverage.

Setting Joints (use Acryloc *Patch* with 5-10% Cement added)

- Apply a 2mm layer of Acryloc *Patch* into the recessed joint
- Apply a single strip of alkali resistant fiberglass tape and trowel into the freshly applied material
- When the tape is fully bedded, skim over with one (1) further coat of Acryloc *Patch*, feathering edges as neatly as possible

Beads & Trims (use Acryloc *Patch* with 5-10% Cement added)

Either,

- Use Acryloc *Patch* to fix the trim by fully coating the inside of the trim with Acryloc *Patch*, pressing firmly into place and trowelling off the outside of the trim to ensure that all holes are filled;

Or, if the trim is already fixed in place,

- Apply Acryloc *Patch* to the trim, trowelling it into the holes to ensure that there are no voids.

Skim Coat

- Apply Acryloc *Patch* to the surface to a thickness of approx 1.5mm
- Where the entire surface is being skim coated, commence at the top of the wall panel. Two (2) or more applicators may be required for large uninterrupted wall areas.
- Allow surface to stand for a short time prior to finishing
- Rub up or 'finish' with a suitable float either in a vertical or circular fashion, terminating only when a whole area or section is completely coated.
- Typically one coat should be adequate but a second coat may be applied if required

Coverage

Skim Coat - 0.7-0.8m²/L at nominal 1.4mm thickness, ~10-12 m²/15L pail

Joints - 4-5 linear meters of 50mm joint per litre, nominal 4mm thickness, ~ 65-75 linear metres per 15L pail

Clean-Up

Clean up with water

TECHNICAL DATA

APPEARANCE	Milky white gritty viscous liquid		
ODOUR	Low		
RESIN TYPE	Modified acrylic emulsion		
APPLICATION METHODS	Trowel		
SPECIFIC GRAVITY (NOMINAL)	~1.5		
DRY TIME (25°C & 50% RH) (APPROX)	Tack Free	Recoat/Overcoat	Fully Dried
	2 hours	After 4 hours	48 hours

Acryloc *Patch* must be over-coated with appropriate products from the Acryloc range.

Product Technical Data & Specifications

WALLCOTE[®] RENDERS

Wallcote renders are superior quality cement based renders packaged in 20kg paper bags and containing proprietary additives to aid workability. Wallcote FR and Wallcote Pro are polymer modified to improve performance.

The range of Wallcote renders is summarized below:

Product	Colour	Uses / Comments
Wallcote FR Render	Off-White	Fibre reinforced, designed for use on AAC and similar substrates
Wallcote Pro Render	Off-White	Most substrates, superior adhesion, machine or trowel, 3-5mm single coat
Wallcote Trade Render	Grey	Ideal for masonry, medium build, machine or trowel, 5-10mm single coat

CHOOSING THE CORRECT RENDER

Use **Wallcote FR** for substrates and situations where enhanced flexural strength is required, in particular:

- Autoclaved Aerated Concrete panels and blocks

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,
- As the first Render Coat on a low porosity surface, such as hard fired clay bricks.

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. (see the Liquid Bond Tech Data Sheet). Wallcote Trade applied beyond 6-10mm thickness does not normally require the addition of Liquid Bond.

Notes: Wallcote Pro and Wallcote Trade are not recommended for Autoclaved Aerated Concrete Blocks or panels. Detailed Wallcote Specifications are available for most substrates, check Technical Information Sheet Downloads at www.acryloc.com.au

APPLICATION

Addition of Liquid Bond may be required for the particular render and substrate type (see the relevant Acryloc Specification Sheet for the substrate and the Tech Data Sheet for Liquid Bond).

If so, add the Liquid Bond to the water and mix thoroughly before adding the render.

Prepare the render mix as detailed in the Tech Data Sheet for the particular Wallcote render.

- Apply a coat at the desired thickness. Work on a 1- 2m² area and immediately screed with a suitable straight edge.
- Work in this fashion until the whole area is flat and even
- Once the surface has firmed slightly, rub-up with a suitable float to produce an even, uniform and smooth surface

Coverage

Thickness	per 20Kg bag	Dry Render per m ²
3mm	~4.0 m ²	5kg
6mm	~2.0 m ²	10kg

CURING TIME

Wallcote renders are normally over coated with appropriate products from the Acryloc range but may left with a sponged, bagged, brushed or similar finish if desired. It is essential that sufficient curing time is allowed.

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. More time is required for a thicker 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.

Product Technical Data & Specifications

ACRYLOC[®] LIQUID BOND

PRODUCT TYPE

Colourants & Additives

PACKAGING

20L Heavy Duty Plastic Pail / 5L Plastic Jerry Can

NOMINAL WEIGHT

22kg, 5.5kg respectively

Acryloc *Liquid Bond* is a bonding agent for use in cement renders or as a mortar additive.

Acryloc *Liquid Bond* is added to the mixing water; it increases the adhesion, flexibility, tensile strength and impact resistance of cement based mortars and will maintain workability by reducing water absorption from the mixture by the substrate.

APPLICATION

Acryloc *Liquid Bond* may be added to the mix water used for sand cement mixes & pre-mixed renders when a thin coat of render (3-5mm) is to be applied and/or to aid adhesion on substrates such as Expanded Polystyrene, low porosity concrete, hard fired bricks and low/variable porosity block or stone.

- Do not add Acryloc *Liquid Bond* directly to the dry render mix.
Either - Prepare a large container of mix water containing Acryloc *Liquid Bond* (see dilution in the tables below) and measure out the amount to be added to the mixing pail for each batch of render;
Or add the batch quantity of water to the mixing pail and then the required quantity of Acryloc *Liquid Bond* batch by batch. (see quantities per 20kg bag of render in the tables below)

For Acryloc Wallcote Trade or site mixed render

Render Substrate	Liquid Bond per 20kg bag	Prepared as Mix Water Liquid Bond	Water
General	500mL	1 part	6 parts
Fibre Cement Sheets, Low Porosity Concrete, Porous Block	750mL	2 part	7 parts
Polystyrene, Thin Coats (2-4mm), Prev. Painted*, Hard Fired Brick**	1L	2 part	5 parts

For Acryloc Wallcote Pro

Acryloc Wallcote Pro render contains polymer and can be used on many substrates without addition of Acryloc Liquid Bond. However, addition of Acryloc Liquid bond is recommended when thin render layers are required and when coating some substrates as indicated below:

Render Substrate	Liquid Bond per 20kg bag	Prepared as Mix Water Liquid Bond	Water
Polystyrene, Thin Coats (2-4mm), Prev. Painted*, Hard Fired Brick**	300mL	1 part	8 parts

* Where the porosity is very low, paint the substrate with a solution of Liquid Bond and water (mixed 1:2) immediately before applying a first Render Coat. There is no need to wait for the Liquid Bond coat to dry before applying the render.

**Previously painted surfaces can be successfully rendered but the paint coating MUST be sound and well bonded to the substrate. If this is not the case, the paint coating should be broken up to allow the coating to penetrate to the substrate.

- Add the dry render steadily to the water/Liquid Bond while mixing, preferably with a power mixer. Continue mixing until a smooth, lump free consistency is achieved.
- Allow the mix to stand for 3-5 minutes, re mix and adjust to the desired consistency with a small quantity of water, if required.

TECHNICAL DATA

APPEARANCE	White liquid, clear when dry
ODOUR	Low
RESIN TYPE	Acrylic emulsion
SPECIFIC GRAVITY (NOMINAL)	~1.06
SOLVENT FOR CLEANING	Water

Product Technical Data & Specifications

ACRYLOC[®] TEXTURES

PRODUCT TYPE	PACKAGING	NOMINAL WEIGHT
Textures	15L Heavy Duty Plastic Pail	25kg

Acryloc Textures consist of water based acrylic emulsion, high grade pigments, fillers and powerful fungicide/ anti-mildew agents. All textures are tintable, to aid coverage of the final colour coat, and offer an attractive finish on correctly prepared domestic & commercial, exterior & interior wall surfaces. The textures may be applied by trowel or by spraying.

The range of Acryloc Textures is summarized below:

Product	Granular Material	Nominal Grain Size	Bases Available	Coverage /15L Pail
Marblecote Medium	Marble	1.1 mm	White	11-14 m ²
Marblecote Coarse	Marble	1.3 mm	White & Deep	10-13 m ²
Sandcote Fine	Sand	0.8 mm	White & Deep	15-19 m ²
Sandcote Medium	Sand	1.0 mm	White & Deep	12-14 m ²
Sandcote Coarse	Sand	1.2 mm	White & Deep	9-12 m ²
Scratch Texture	Sand	Fine, 1.5 - 2mm granule	White only	7-12 m ²

APPLICATION

- Acryloc Textures do not require thinning or dilution but addition of a small quantity of clean water (up to 300mL per 15L pail) and mixing with a power stirrer will improve workability and coverage.
- A wet edge should be maintained throughout the application and day joints formed at corners, expansion joints or mouldings.

Trowel on application

- Apply Acryloc Texture to the surface trowelling to the thickness of the largest particle
- Allow surface to stand for a short time then rub up or 'finish' with a texture float either in a vertical or circular pattern depending on the desired finish and profile.
- Application must be carried out in a brisk uniform fashion, terminating only when a whole area or section is completely coated. For example; a natural break, expansion joint or corner
- Application should be carried out on a day with temperatures above 10°C and below 32°C
- Acryloc Texture should not be spread too far; otherwise durability and hiding power may suffer.

Spray on application

- Hopper gun, pressure pot or diaphragm pump systems can be used. Clean-Up

Clean up with water

TECHNICAL DATA

APPEARANCE	Off white textured viscous liquid		
ODOUR	Low		
RESIN TYPE	Acrylic emulsion		
APPLICATION METHODS	Spray, trowel		
SPECIFIC GRAVITY (NOMINAL)	~ 1.5		
DRY TIME (25°C & 50% RH) (APPROX)	Tack Free	Recoat/ Overcoat	Fully Dried
	1 hours	After 3 hours	24 hours
NO. OF COATS	Typically 1 coat		

PROTECTIVE COLOUR COAT

It is recommended that Acryloc textures are over coated with Acryloc Armourflex for best colour accuracy, to improve durability and to reduce dirt pickup.

Product Technical Data & Specifications

ACRYLOC[®] ARMOURFLEX

PRODUCT TYPE

Paints & Coatings

PACKAGING

5L, 10L, 15L Heavy Duty Plastic Pail

NOMINAL WEIGHT

22kg

Acryloc *Armourflex* is a durable, water based impact coating, designed to provide fashionable colour and long-term external protection for all masonry surfaces. Acryloc *Armourflex* is available in both matt and a low sheen finishes.

A range of attractive effects can be achieved using specialized rollers and the high film build makes Acryloc *Armourflex* ideal for coating surfaces such as fibreboard, acrylic based textures, cement render and tilt panel walls.

Acryloc *Armourflex* is supplied as tint bases to distributors and in tinted, ready to use form to end users. Over 2000 colours are available using our tint system and a colour matching service is also offered.

APPLICATION

- All substrates other than freshly applied texture must be primed with Acryloc Prime Seal.
- Acryloc *Armourflex* may require thinning, depending upon the application method used. Up to 1L of clean water may be added to a 15L pail (~6.5%) without the need to apply any extra coats. Thorough mixing is essential. Greater than 7% water addition is not recommended.

Method

- Mix thoroughly with a broad, flat stirrer, using an upward lifting action, or power mixer and check that the colour is correct before commencing work.
- Care should be taken to keep Acryloc *Armourflex* off windows and adjacent surfaces that are not to be coated, as it can be very difficult to remove once allowed to dry
- Acryloc *Armourflex* can be applied using a roller, brush, pad, HVLP spray equipment or airless spray equipment
- If using a roller, roll the coating in one (1) direction only, to avoid cross masking of layers
- If using airless spray equipment, a 19-21 thou tip and white gun filter is recommended. Try to maintain a Wet Film Thickness of 100-125uM for each single coat by checking regularly with a Wet Film Thickness Gauge
- It is strictly advised not to hose down or use pressurised washing systems on the coated wall for a minimum of fifteen (15) days from date of application

Coverage

Surface	Per Coat			Recommended Coats
	Wet Film Thickness	Apply at	Coverage	
Smooth, fine render/texture	100-125 microns	8-10 m ² per Litre	120-150 m ² per 15L Pail	1-2
Rough, coarse texture	-	4-5 m ² per Litre	60- 75 m ² per 15L Pail	1-2

Clean-Up

Clean up with water

TECHNICAL DATA

APPEARANCE	Coloured viscous liquid		
ODOUR	Low		
RESIN TYPE	100% pure acrylic emulsion		
APPLICATION METHODS	Roller, brush, spray		
SPECIFIC GRAVITY (NOMINAL)	~ 1.4		
DRY TIME (25°C & 50% RH) (APPROX)	Tack Free	Recoat/ Overcoat	Fully Dried
	1 hour	After 2 hours	24 hours
NO. OF COATS	See coverage table		
GLOSS LEVEL	Matt and Low sheen available		

Product Technical Data & Specifications

Important Notes

- Do not apply Acryloc products when rain is anticipated within 5 hours of completion of the days work, longer in damp, cold +/- or humid conditions
- 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
- Coated area must be protected from damage until the completion of the project; finished work must be protected from rain, frost and severe weather conditions until fully dried

OTHER CONSIDERATIONS

Shelf-Life – Unopened Pails

Maximum two (2) years from date of manufacture when stored correctly

Shelf-Life – Unopened Bags

Maximum 1 year from date of manufacture when stored correctly

Transport & Storage

Pails should not be stacked more than three high during transportation and must be transported upright.

Store in a cool place, upright, out of direct sunlight and above 4°C

Render bags should be stored in a dry place, off floor level and preferably on the original pallet.

Refer to Material Safety Data Sheets for **Acryloc products** before use.

For further information on **MSDS**, call the Acryloc **Tech – Info line** on **1300 661 745** or visit **www.acryloc.com.au**

SAFETY & HANDLING

- Avoid inhalation of vapour or dust, prolonged or repeated skin contact and particularly eye contact
- Wear protective clothing to minimize skin contact and wear goggles where splatter or dust is likely
- Where spills occur, soak up liquid spillage with sand/sawdust and dispose of in a sensible manner. Do not permit run-off to sewer, storm water or open bodies of water

Full pails may be HEAVY. Wear protective footwear and seek assistance if necessary.

FIRST AID MEASURES

Ingestion

If swallowed, wash out mouth with water. Do **NOT** induce vomiting. Drink at least two (2) glasses of water to dilute stomach contents. Seek medical attention.

Eye

Wash with copious amount of water for 15 minutes holding eyelid(s) open. Seek medical attention if symptoms persist.

Skin

Wash thoroughly with water

For additional Safety & product information consult the Technical data sheets and Material Safety data sheets for the individual products.

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