ACRYLOC® ARMOURFLEX™ PRO

PRODUCT TYPE	PACKAGING	NOMINAL WEIGHT
Membrane Coating	15L Heavy Duty Plastic Pail	20kg

DESCRIPTION

Acryloc *Armourflex Pro* is a high performance, high build, water based acrylic, protective coating for interior and exterior surfaces. The high film build and inherent flexibility of *Armourflex Pro* gives excellent crack bridging properties and, combined with excellent water resistance, make it ideal for high level protection on new substrates and for remedial work over hairline cracks.

A range of attractive effects, including a stipple effect, can be achieved using specialized rollers or can be applied by conventional roller, texture roller, brush or spray gun.

Acryloc Building Products provides a material replacement warranty against peeling or flaking of the full Armourflex Pro System caused by any defect in manufacture for a period of 10 years.

FEATURES & BENEFITS

- Excellent water resistance & vapour permeability
- Excellent flexibility & crack bridging
- Excellent durability
- Strong adhesion
- Water based, Easy to apply
- Low maintenance
- Easy & safe clean up
- Tintable to a wide range of colours

Refer to the Wallcote System specification for the substrate being coated and carry out any preparatory steps.

↳**Primer** (where required)
Primerbond Masonry Concentrate, Grip Primer
Primerbond Rendercoat (or) Primerbond Green Render

↳**Texture Coating** (where required)

↳**Membrane Coating**
Acryloc *Armourflex Pro Lo Sheen*

SUITABLE SUBSTRATES – when properly prepared

- Cement Render
- Fibre Cement Sheeting (Fibro/Blue board)
- Clay and Concrete Brickwork and Blocks
- Tilt panel walls
- AAC (Autoclaved Aerated Concrete)
- Rendered expanded polystyrene
- Texture Coat
- Other primed exterior surfaces

SUBSTRATE PREPARATION

Note: If applying *Armourflex Pro* over freshly applied Acryloc Texture, no further preparation or priming is required

- Areas not to be coated should be masked and protected
- All surfaces to be coated must be clean, sound, free from contaminants including; oil, mould release, dust, dirt, silicone, mud, grease, salt, efflorescence, animal droppings and any loose or flaking material
- All substrates other than freshly applied texture must be primed, normally with Acryloc Primerbond Rendercoat but other alternatives are available for different substrates as shown below

Either

- Apply a single coat of Primerbond Rendercoat at the rate of 9-11 m²/L
- **Or** – for new render or concrete, apply a single coat of Primerbond Green Render at the rate of 9-11 m²/L.
- **Or** – on a very smooth surface, apply a single coat of Primerbond Grip Coat at the rate of 8-10 m²/L. This will help prevent roller slip when applying the top coat.

Allow the Primerbond to fully dry before commencing following coats. Typically touch dry within 30 minutes. Recoat after 2 hours.

The information provided herein is considered correct at the time of publication. It is the responsibility of those using this information to check that it is current prior to specifying or using any of the products or coating systems. Any advice, recommendation or information provided by any of the officers of Acryloc Building Products in relation to goods manufactured by it for their use and application, is given in good faith and is believed by Acryloc Building Products to be appropriate and reliable. However, this advice, recommendation and information is provided without liability or responsibility without excluding or limiting responsibility under relevant Government acts. Acryloc and other marks followed by the symbol ® or ™ are trademarks.

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APPLICATION

- *First coat of Armourflex Pro can be thinned*. Add up to 5% of clean water (750mL to 1.5L) to a 15L pail.
- Mix thoroughly with a broad, flat stirrer, using an upward lifting action, or use a power mixer and check that the colour is correct before commencing work.
- Thorough mixing prior to application is essential.
- Second and subsequent coats of *Armourflex Pro* must not be thinned

Method

- Care should be taken to keep Acryloc *Armourflex Pro* 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 Pro can be applied using a 16-20mm nap roller, texture roller brush or spray gun.
- If using a roller, roll the coating in one (1) direction only, to avoid cross masking of layers and picture framing.
- Use a 20mm nap roller cover for a conventional finish or a Texture roller (Fine or Coarse) for a stipple effect. Maintain a wet edge terminating only when the whole section is completely coated, for example; at an expansion joint or corner.
- If using airless spray equipment, a tip size of 21-23 thou is recommended.
- 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

	Per Coat			Recommended
Film Build per coat	Wet Film Thickness	Apply at	Coverage	Coats
Smooth surfaces, fine render/texture	180 microns	5.5 m^2 per Litre	82.5 m^2 per 15L Pail	Min 2

Important Notes

- Do not apply Acryloc *Armourflex Pro* when rain is anticipated within 5 hours of completion of the work, longer in damp, cold +/or humid conditions
- Avoid application in full sun, on hot surfaces or in hot windy conditions
- Do not apply if Relative Humidity is above 85% or temperature is within 3°C of Dew Point
- Application should be carried out on a day with temperatures above 10°C and below 32°C ambient.
- Surface temperature must be above 10°C during the application and the drying period
- Coated area must be protected from damage until the completion of the project; finished work must be protected from rain, frost, dew and severe weather conditions until fully dried or for at least 48 hours
- Surface to be primed / painted must have a residual moisture content <10%. Moisture meters should be used

OTHER CONSIDERATIONS

Clean-Up

Clean up with water

Shelf-Life – Unopened Containers

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

Transport & Storage

Pails should not be stacked more than three (3) high during transportation and must be transported upright

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

For further information refer to **SDS** for Acryloc *Armourflex Pro*

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TECHNICAL DATA

Appearance	Coloured viscous liquid	
Odour	Low	
Resin Type	100% pure acrylic emulsion	
Application Methods	Roller, brush, spray	
Specific Gravity (Nominal)	~ 1.2	
**Dry Time (25°C & 50% Rh) (Approx)	Tack Free	Recoat/ Overcoat
	2-3 hours	After 24hours
Gloss Level	Low Sheen	
Volume Solids (White Base)	42%	
Elongation (ASTM D-412)	318% @ 260um DFT	
Pull Off Adhesion (AS1580)	>0.7 Mpa - pass	
Crack Bridging (AS 4548.5)	8 times dry film build >1.1mm with 2 coats	
Water Vapour Transmission	Excellent	

** All water based coating systems continue to cure over several weeks depending on weather conditions.

SAFETY & HANDLING

Refer to **SDS** for **Acryloc *Armourflex Pro*** before use. For further information on Material Safety Data Sheets, call the Acryloc **Tech – Info line** on **1300 661 745** or visit **www.acryloc.com.au**

Contact with skin may result in irritation. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Where this material is used in a poorly ventilated area, at elevated temperatures or in confined spaces, vapour may cause irritation to mucous membranes of the respiratory tract, headache and nausea.

When working with **Acryloc *Armourflex Pro*** observe the usual precautions for handling acrylic water based products including:

- Avoid inhalation of the vapour, prolonged skin contact and particularly eye contact
- Wear protective clothing to minimize skin contact and wear goggles where splatter 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 are HEAVY. Wear protective footwear and seek assistance if necessary.

FIRST AID MEASURES

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Ingestion

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

Eye

Wash with copious amount of water for 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into non-affected eye. Seek medical attention.

Advice to Doctor

Treat symptomatically

MANUFACTURED BY:

Bizfine Pty Ltd
T/A Acryloc Building Products
174 Cavan Rd
DRY CREEK
South Australia 5094

P: +61 8 8368 0222 or 1300 661 745

E: sales@acryloc.com.au
W: www.acryloc.com.au

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