ACRYLOC® WALLCOTE™ PAINTING SPECIFICATION
TILT UP, PRECAST and OFF FORM CONCRETE

DESCRIPTION

Tilt Up and Precast Concrete panels are common forms of modern concrete construction, normally used for commercial building projects.

This Acryloc Painting spec provides a three coat system applied to the concrete panels, comprising of masonry primer, and two protective membrane coats.

A mould release agent or bond breaker is normally used in the manufacture of the panels and this can leave a residue on the concrete surface. This Acryloc Painting spec includes Panel Kleen which aids removal of these residues.

WALLCOTE COATING SYSTEM

The Wallcote System components recommended for use on Tilt Up and Precast Concrete are shown below.

Recommended Components	Notes
Prep Coat - Acryloc Panel Kleen (essential where indicated by bead test)	Acryloc Panel Kleen is designed specifically for the removal of mould release agents / oils from concrete surfaces. Apply to surface and remove with a high pressure cleaner.
Primer (essential) Acryloc Primerbond Masonry Concentrate	Specially formulated masonry primer and sealer, designed to be highly penetrative into both dense and porous substrates.
Membrane Coating (for full durability) Acryloc Armourflex (or) Armourflex Extreme (or) Acryloc Weatherblock	Choose a Highly Durable exterior coating from the range, Armourflex available in Masonry Matt or Lo Sheen finish, Weatherblock available in Low Sheen and Satin.

FEATURES & BENEFITS

- Excellent water resistance with good vapour permeability
- Excellent crack resistance from a flexible acrylic base
- Strong adhesion
- Excellent durability
- Easy to apply,
- Water based for easy & safe clean up
- Low maintenance

IMPORTANT REQUIREMENTS

- Panels must be installed in accordance with the supplier's instructions and/or job specifications and relevant codes.
- Once application of the Wallcote system has occurred, the applicator is taken to have approved the installation and fixing of the panels
- Application methods, processes and finishes should be approved by the client, preferably with the application of a site sample.

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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PREP COAT

It is essential that the surface is clean, sound, dry and free from contaminants and any loose or flaking material. Holes should be filled and damaged areas patched as required.

In particular, the surface must be tested for the presence of mould release agents that will interfere with adhesion. If possible, determine what material was used in the construction of the panels and refer to the technical data from the manufacturer of the product for guidance on rate of oxidation and residue removal.

Oxidation and breakdown of mould release agents can take many months so testing of the panels is strongly recommended. The simplest test is a water splash test:

- Splash an area with water and observe whether the water beads on the surface or soaks in.
- The water should immediately soak in and the surface should darken.
- Any tendency for beading on the surface indicates a greasy, oily residue and requires the use of Acryloc Panel Kleen to prepare the surface. Refer to the Tech Data Sheet for Acryloc Panel Kleen for further information.

PRIMER COAT

The concrete panel must be primed prior to painting.

PRIMER APPLICATION

Dilution

Acryloc *Primerbond Masonry 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 *Primerbond Masonry Concentrate* to one (1) part of clean water and mix well.

Method

- Acryloc *Primerbond Masonry Concentrate* can be applied using a roller, brush, HVLP spray equipment or airless spray equipment
- If using airless spray equipment, a 19 thou tip and white gun filter is recommended
- Apply diluted Acryloc *Primerbond Masonry Concentrate* at the rate of 10-13 m^2/L, regardless of the dilution used
- Acryloc *Primerbond Masonry Concentrate* must be over-coated with appropriate products from the coating system being used

MEMBRANE COATING

Two coats of Acryloc Armourflex or Acryloc Weatherblock are required to protect against water ingress, minimize dirt build up on the surface. Refer to the product Tech Data Sheet before use.

Armourflex

- Apply Acryloc Armourflex as detailed in the current version of the Tech Data Sheet. Coverage should be 8-10 m2/litre on a smooth surface.
- Armourflex Extreme can be used if a full elastomeric membrane is specified. Armourflex Extreme can increase warranty in certain situations. Coverage should be 6-8 m2/litre on a smooth surface
- Acryloc Armourflex may require thinning, depending upon the application method used. Up to 750ml of clean water may be added to a 15L pail (~5%*) without the need to apply any extra coats. Thorough mixing is essential. (*greater than 5% addition is not recommended).

Weatherblock

- Apply Acryloc Weatherblock as detailed in the current version of the Tech Data Sheet. Coverage should be 12-16 m2/litre on a smooth surface.
- Acryloc Weatherblock should not require thinning however up to 500ml of clean water may be added to a 15L pail (~5%*) without the need to apply any extra coats. Thorough mixing is essential. (*greater than 5% addition is not recommended).

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Important Notes

- Do not apply the Acryloc *system* on exposed surfaces when rain is anticipated within 6 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
- 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 must have a residual moisture content <10%. Moisture meters should be used
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Clean-Up

Clean up Wallcote system materials with water.

WARRANTY

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law and the benefits provided by our warranty are in addition to other rights and remedies available to the consumer under the law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

In addition to these legal requirements, Acryloc Building Products provides a material replacement warranty against peeling or flaking of the full Wallcote™ 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, including but not limited to, substrate type and preparation, application rates and methods, prevailing weather conditions and protection of finished work.

Acryloc Building Products provides no warranty, expressed or implied, against damage due to movement of the substrate or structure and Acryloc Building Products cannot accept responsibility for variations in colour, strength, appearance or workability resulting from on-site mixing procedures and conditions.

To claim under this warranty, contact us by phone, mail, or through the 'contact us' facility on our website (see the contact information below), and give details of the claim, including your contact details. Proof of purchase is required and we reserve the right to inspect the affected property at our cost.

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