ACRYLOC® WALLCOTE® SYSTEM for Magnesium Board

DESCRIPTION

Magnesium Board is a technologically advanced building material that offers superior performance in when compared to traditional cement based products. It is virtually impervious to fire, water & insects. It does not feed mold or mildew and is non-toxic, non- flammable and non-combustible

WALLCOTE COATING SYSTEM

The Wallcote System components recommended for use on Magnesium Board are shown below.

Recommended Components	Notes
Prime (recommended)	
Acryloc Primerbond Masonry Concentrate	Binds and ensures uniform porosity and suction of the surface and aids adhesion of Prep Coat
Mesh over Joints, Fix Beads/Trims	
Acryloc Patch Fine Joint & Skim	Multi purpose jointing, patching & skim coating, add 5-10% cement for joints & corners.
Fill / Patch / Skim	
Acryloc Patch Coarse	Skim Coat.
Texture Coating (choose from)	
Acryloc Marblecote Medium	Trowel On & Finish with a Texture Float
(or) Acryloc Eco-Tex Fine or Medium	Trowel On & Finish with a Texture Float
(or) Acryloc Allegro Quartz	Trowel On & Finish with a Texture Float
	All texture coats are tintable to aid Colour Coat coverage
Protective Colour Coat (for full durability)	
Acryloc Armourflex (or) Armourflex Extreme	Highly Durable, Masonry Matt or Lo Sheen finish, protective Paint coating, tintable to a wide range of colours

FEATURES & BENEFITS

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

IMPORTANT REQUIREMENTS

- Magnesium Board must be installed as per the current edition of the respective manufacturer's fixing manual.
- Fixings must be in accordance with the manufacturer's specification and must be sufficiently flushed to suit the covering ability of the specified texture coating.
- All exposed edges of the Magnesium Board must be protected with PVC or other exterior grade beading.
- Once application of the Wallcote system has occurred, the applicator is taken to have approved the installation and fixing of the panels.
- Application methods and processes must be approved by the client, preferably with the application of a site sample.
- The surface must be clean, sound, dry and free from contaminants including oil, mould release, dust, dirt, silicone, mud, grease, salt, efflorescence, animal droppings and any loose or flaking material.

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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PRIMING

- Apply a single coat of diluted Acryloc Primerbond Masonry Concentrate at the rate of 13-15 m^2/L
- Allow 45 minutes to dry before commencing the texture coat

(Note: Primerbond Masonry Concentrate is supplied as a concentrate which must be diluted 1:1 before use)
Refer to the product Tech Data Sheet.

JOINTS & CORNER BEADS

Magnesium Board is manufactured with a square edge which is butt jointed or with a tongue and groove joint.

Note: Tongue and groove magnesium boards do not require mesh on the joint if they have been installed to the manufacturers specification.

PVC or exterior grade steel beads & trims are used for corners, window openings and the like.

Use Acryloc Patch Fine Joint & Skim with the addition of 5-10% Portland Cement for added strength and water resistance on both joints and beads.

- Prepare the Acryloc Patch Fine Joint & Skim by adding 1-2kg of Portland Cement per 15L pail. Mix thoroughly
- Adding excess cement can cause the product to have a reduced pot life and hamper application, workability and durability.

Setting Joints for Square edge board (use Acryloc Patch Fine Joint & Skim with added Cement)

- Apply a 150mm x 2mm layer of the Patch plus cement over the board joint (75mm each side).
- Apply a single strip of 150mm wide, 160gsm, alkali resistant fiberglass mesh and trowel into the freshly applied Patch
- It is essential that the Patch is in contact with the entire panel surface and that the mesh is fully surrounded or encapsulated by the Patch. The mesh MUST NOT be directly applied, fixed, glued or pushed back to the panel surface. Self adhesive mesh is NOT suitable for this application.
- When the tape is fully bedded, skim over with one (1) further coat of Patch plus cement, feathering edges as neatly as possible. The joint should be filled flush with the surrounding surface. **Do not fill control or expansion joints.**

Beads & Trims (use Acryloc Patch Fine Joint & Skim with added Cement)

Either,

- Use Patch plus cement to fix the trim by fully coating the inside of the trim with Patch, pressing firmly into place and trowelling off the outside of the trim to ensure that all holes are filled and feather out onto the panel;

Or, if the trim is already fixed in place*,

- Apply Patch plus cement to the trim, trowelling it into the holes to ensure that there are no voids or air pockets.

* Trims must be securely fixed, see our separate Technical Bulletin on Beads & Trims

Allow minimum 24 hours for the compound to dry before skim coating.

Note:

- Adding excess cement can cause the product to have a reduced pot life and hamper application, workability and durability. Do not thin after addition of cement. Only add cement to the quantity of Acryloc Patch to be used

PREP COAT

A skim coat is applied over the whole surface to create even substrate absorption, fully hide joints and to correct any minor surface misalignment. **Do not coat over expansion or control joints.**

- Apply Acryloc *Patch Coarse* to the surface to a nominal thickness of 1-2mm.
- Commence at the top of the wall panel. Two or more applicators may be required for large uninterrupted wall areas
- Allow surface to stand for a short time prior to finishing. Typically one coat should be adequate but a second coat may be applied for leveling or if higher build is required.
- Allow minimum 4 hours for the compound to dry between coats and before texture coating.

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TEXTURE COATING

- Apply the selected Acryloc Trowel-On texture and follow the appropriate 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 an expansion joint or corner.

Do not texture over expansion or control joints.

- Acryloc texture coatings should not be extended (spread) too far; otherwise durability &/or hiding power may suffer.
- Allow minimum 48 hours before commencing the paint coat.
- Coverage depends upon the particle size of the texture coat; Marblecote Medium should give 12-14 m^2/pail. Fine texture will give a little more while coarser materials will cover less area.

MEMBRANE COATING

Painting of texture 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. Refer to the appropriate Tech Data Sheet

- Apply Acryloc Armourflex as detailed in the current version of the Tech Data Sheet. Coverage should be in the range 4-6m^2/litre for a single coat over texture.
- Armourflex Extreme can be used if a full elastomeric membrane is specified. Armourflex Extreme can increase warranty in certain situations. Coverage should be 3-3.5 m^2/litre for a single coat over texture.
- 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 10% addition is not recommended in a final coat.

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.

MANUFACTURED BY

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