

FOR AUTOCLAVED AERATED CONCRETE (AAC)



MasterWall Australia's Master A.R.T has been designed specifically with Autoclaved Aerated Concrete (AAC) in mind. A popular choice the modern building environment, Wallcote is a perfect partner and premium choice for any AAC project.



1 Prep Coat #1

FR BASECOAT

Fibre reinforced, polymer modified.
Just add water. Trowel applied.
1 Bag covers 7-8m² @ 2-4mm

1



2 Prep Coat #2

FR BASECOAT

(Optional second coat)
Just add water. Trowel applied.
1 Bag covers 7-8m² @ 2-4mm

2

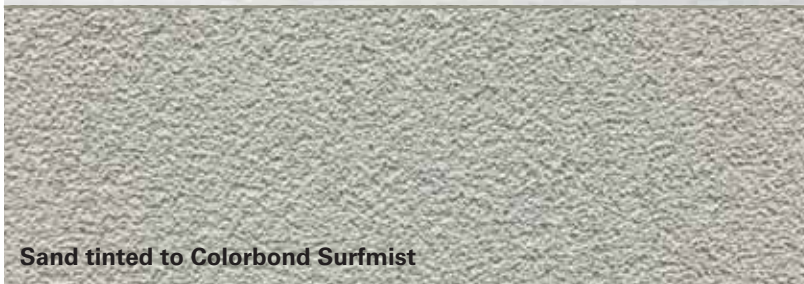


3 Primer

MASTER PRIMER

Dilute 50:50 with water before use
15L Pail Covers 300m² @ 10m²/L

3



4 Texture Coating

Choose from:

Marble Medium Covers (~12m²/15L)

Sand Fine (~14m²/15L) & Medium (~12m²/15L)

Sapphire Sparkle (~12m²/15L)

4



5 Membrane Coating

Choose from:

Masterflex (~75m²/15L)

Available in Matt & Low Sheen

Master Shield (~50m²/15L)

Master Clear Protect (~105m²/15L)

5

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IMPORTANT REQUIREMENTS

- AAC must be installed in accordance with the manufacturer's instructions. Consult the current version of the relevant Technical Manual for requirements.
- Frame details and panel fixings must comply with relevant building codes
- Timber framing must comply with AS1684-1992 National Timber Framing Code.
- Metal framing must comply with AS3623-1993 Domestic Metal Framing.
- Once application of the Master A.R.T system has occurred, the applicator is taken to have approved the installation.
- Ensure that the surface is clean, sound, dry and free from contaminants and any loose or flaking material.

PREP COAT #1

- Holes should be filled and damaged areas patched. All joints should be filled flush with an approved AAC adhesive.
- The AAC surface should not be saturated nor very dry, so as to provide a medium suction.
- Prepare Master A.R.T FR Render as per the relevant Tech Data sheet.
- A finished render coating of about 3mm is required to give optimum strength and resistance to hairline cracking.
- Apply with a hawk and trowel to achieve a 2-4mm layer. As the Master A.R.T FR Render begins to set, rub up the surface to eliminate trowel marks and provide a smooth surface for subsequent texture coating.

Do not render over expansion or control joints. Render must not bridge the damp proof course.

- At the recommended thickness of 2-4mm, coverage should be 7-9m²/bag.
- A single coat is usually sufficient for AAC panels.
- Master A.R.T FR Render must be over coated with a texture system or membrane

- Allow minimum 3 to 4 hours curing time before applying second and subsequent render coats.
- Allow at least 24 hours before applying the Primer.
- Surface to be primed must have a residual moisture content <10%. Moisture meters should be used.

PREP COAT #2

- In some situations (panel installation not flat) it may be necessary to apply a second coat of Master A.R.T FR Render to achieve a flat surface.
- A second coat should always be applied to AAC block work.

PRIMER

The Master A.R.T FR Render must be primed prior to texture coating.

- Use diluted Master Primer and apply a single coat of at the rate of 10-13m²/litre.
- Allow Primer to dry before commencing following coats.

(Note: Master Primer is supplied as a concentrate which must be diluted 1:1 before use).

Refer to the appropriate Tech Data Sheet.

TEXTURE COATING

- Apply the selected MasterWall 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.

- Master A.R.T texture coatings should not be extended (spread) too far; otherwise durability and/or hiding power may suffer.
- Allow minimum 48 hours before commencing the paint coat

- Coverage depends upon the particle size of the texture coat; Marble Medium should give 12-14m²/pail. Fine texture will give a little more while coarser materials will cover less area.

MEMBRANE COATING

Painting of texture with Masterflex 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 Masterflex as detailed in the current version of the Tech Data Sheet. Coverage should be 4-6m²/litre for a single coat over texture and 8-10m²/litre on a flat surface.
- Masterflex can be used if a full elastomeric membrane is specified. Masterflex can increase warranty in certain situations. Coverage should be 3-3.5m²/litre for a single coat over texture and 6-8m²/litre on a flat surface
- Masterflex may require thinning, depending upon the application method used. Up to 1 litre of clean water may be added to a 15 litre 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.

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