



TECHNICAL DATA SHEET

AQUA-PROOF WPM C3



BENEFITS:

- FLEXIBLE CLASS III MEMBRANE
- INTERNAL AND EXTERNAL USE
- FAST DRYING, FOR QUICKER RECOAT TIME
- USE WITH A 'BOND BREAKER' OR 'AQUA-STICK' AND 'AQUA-BAND' FABRICS
- COMPLIES WITH AS/NZS 4858:2004 AND AS3740
- EASY CLEAN UP WITH WATER
- USE AS A CRACK SUPPRESSION MEMBRANE
- COMPATIBLE WITH GOOD QUALITY, POLYMER FORTIFIED, CEMENT BASED TILE ADHESIVES

TEN YEAR WARRANTY
AUSTRALIAN STANDARDS COMPLIANCE CLASS III
FOR USE IN CONTACT WITH DRINKING WATER



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TECHNICAL PROPERTIES: AT 23°C

APPEARANCE	Olive Green Paste
TIME TO RECOAT	1–3 HOURS
TIME TO TILE	24 HOURS
FULL CURE	7 DAYS
POT LIFE	NOT APPLICABLE
SPECIFIC GRAVITY	1.29 kg/L ± 0.1g (WET)

Description:

Aqua-Proof C3 is a single component, Class III liquid applied waterproof membrane, and is a proven solution for waterproofing both internal and external applications. **Aqua-Proof C3** cures to a permanently flexible seamless membrane that has excellent adhesion to a wide range of substrates.

Uses:

Suitable for use on many porous substrates including fibre cement sheet, concrete, brickwork, render and plasterboard. **Aqua-Proof C3** Can be used to damp-proof or water-proof shower recesses, bathrooms, kitchens, balconies and decks.

Primer:

All areas to be waterproofed must be primed with either **Aqua-Proof C3** (diluted with 10-15% water) or with **Aus-Bond Ultra Prime**. For areas subject to negative hydrostatic pressure, contact ATA regarding the use of **Hydropel 2 Part Epoxy Primer** prior to applying **Aqua-Proof C3**.

Instructions for Use:

Surface Preparation:

Surfaces should be sound, clean and free of dust, oil, laitance, grease and curing compounds. Loosely adhered particles such as rust scale and cement smears should be thoroughly cleaned with a wire brush or another such implement.



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Concrete:

All new concrete surfaces must be allowed to cure for a minimum of 28 days with a semi-rough surface appearance. Rendered surfaces must be allowed to cure for a minimum of 7 days prior to the commencement of waterproofing.

Gypsum/Plasterboard Sheets:

Must be installed to the manufacturer's guidelines.

Bond Breakers:

Aqua-Proof C3 is a class III membrane and requires a 12mm bond breaker for internal corners with either neutral curing silicone, or the use of **Aqua-Stick** and **Aqua-Band** fabrics.

Light Weight Decks:

When applying the membrane over a lightweight construction, (Timber and steel frame, cement sheet walls and floors) it is important to follow the guidelines and technical information supplied by the manufacturer. Some cement sheet suppliers recommend placing control joints directly over the joints in each of the sheets, some that the sheets should be epoxy jointed, whilst others state that the sheets should have silicone or urethane joints. Irrespective of all other information, we recommend that **Aqua-Band** waterproofing fabric be applied in conjunction with **Aqua-Proof C3** to all joints in the sheets. All wall and floor building boards must be firmly fixed in accordance with the manufacturer's instructions and appropriate Australian Standards. Such boards include plasterboard; fibre cement sheeting; marine grade ply and wet area composition board. All screw or nail heads must be sealed with epoxy.

When installing membranes on lightweight external decks that are to be tiled there are a few items that should be considered before starting the project.

- Type of floor sheeting (follow manufacturer's recommendations).
- Deflection of the deck under live loads. The deck should be rigid enough to accept tile or stone. L/360 is the maximum allowable deflection for tile and L/480 for stone.
- Size of tile or stone. The larger the tile or stone the more rigid the deck should be.
- Fall to waste outlets that remove standing water. It is recommended that a 1.20% to 2.00% fall be created to remove standing water. Follow local building codes applicable to your application.



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- Rather than tile directly to the deck, a 40mm wire reinforced screed can be installed over a slip sheet on the deck, with the membrane and tile work installed above the screed. This is recommended by Australian Standards.
- Termination of the membrane to other finishes.
- Treatment of expansion joints. Membrane should loop down into an expansion joint to allow for additional movement.

Fibre Cement Sheets:

Follow cement sheet manufacturer's recommendations for expansion joint set out. All joints in the fibre cement sheet must have **Aqua-Band** waterproofing fabric applied in conjunction with **Aqua-Proof C3**.

Metal Surfaces:

Ensure surfaces are rust free and primed with **Aus-Bond Ultra Prime** prior to applying the membrane.

Method of Application:

- 1) Remove all loose material by vigorous brushing, hydro-blasting, mechanical scabbling, or using a wire brush if necessary.
- 2) Treat any fungal growth with proprietary fungicide as recommended.
- 3) Allow surface to dry.
- 4) Install a 12mm bond breaker to all internal corners.
- 5) Fill cracks and voids with a suitable sealant or suitable cement based mortar.
- 6) Prime substrate as required.
- 7) Once the primer is completely dry apply the first coat. When dried follow up with the second coat at right angles to the first coat, ensuring complete coverage. Please note that air bubbles trapped under the surface must be removed in order to achieve the maximum waterproofing effect. Apply a third coat if required.
- 8) **Aqua-Proof C3** is to be applied at a minimum DRY FILM THICKNESS (DFT) of 1.2 mm after 2 coats.
- 9) Apply two coats with a minimum usage of 1.5L/m². Apply the two coats perpendicular to one another over a primed surface.



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- 10) When applying multiple coats, the previous coat should be touch dry. Note that cold temperatures will reduce drying time, whilst hot temperatures will increase the drying time.
- 11) Ensuring that the surface is smooth and without pinholes, allow to cure before applying a suitable tile adhesive. Please note that a third coat may be required if any imperfections are present in the membrane. All tile and stone must be installed in accordance with local industry standards and guidelines.
- 12) **Aqua-Proof C3** can be applied by brush or roller. Gently stir before application.

Cleaning:

All tools and implements should be thoroughly cleaned with water immediately after use.

Supplementary Notes:

The dry film thickness (DFT) of **Aqua-Proof C3** should not be less than 0.6mm or more than 0.9mm for each coat. Rough surfaces will reduce the coverage rate, and consequently more material will be required to achieve the minimum DFT.

Surfaces previously treated with silicone-based materials will inevitably be difficult to overcoat and this should not be attempted with **Aqua-Proof C3**. Substrates with poor adhesion to the underlying structure (e.g. blistered roofing felt) may also cause problems in providing sound over-coating. Preferential vapour drive in buildings must also be considered when over-coating the roof, and ventilation may be needed to cope with transmission of high levels of moisture vapour.

Coverage rates may vary with surface and porosity. The information given is based on average usage. A site trial is recommended.

Minor damage to **Aqua-Proof C3** can be repaired by removing loose membrane, cleaning the surrounding area with water, priming the area with primer overlapping by 150mm, and finishing with two coats of **Aqua-Proof C3**.

Application Temperature:

Aqua-Proof C3 should only be applied when the substrate temperature is between 10°C and 35°C.



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Health, Safety and Handling:

Refer to the Safety Data Sheet for full, detailed instructions in accordance with the hazardous chemicals code of practice.

Avoid prolonged contact with skin. To avoid contact with skin and eyes wear protective clothing, goggles, gloves, safety shoes etc. If contact with eyes does occur, immediately flush with water and seek medical advice.

Expansion/Control Joints:

Membranes should not be applied directly over expansion/control joints. Use **Aqua-Band** waterproofing fabric in conjunction **Aqua-Proof C3** to treat these joints. Consult ATA for technical service if you have any questions. All expansion/control joints should be carried up through screeds and tile work and must conform to Australian Standards and good trade practices.

Storage/Shelf Life:

When stored in a cool, dry place the contents of the original unopened container can be used approximately twelve (12) months from the date of manufacture.

Packaging:

Aqua-Proof C3 is supplied in 15L pails.

Warranty:

"Australasian Tile Adhesives Pty Ltd ("ATA") warrants that **Aqua-Proof C3** ("the goods") will be free of defects for a period of up to ten years from date of installation, subject to the goods being utilized and installed strictly in accordance with Australian Standards and industry guidelines. The use of the goods is beyond the control of ATA and/or the supplier and the liability of ATA under this warranty is restricted only to the replacement of the material found to be defective. Structural failure of the substrate is not covered by this warranty and the manufacturer and/or supplier of the goods will not be liable for any damage whatsoever arising from the incorrect use of the goods. A warranty claim must be made in writing by pre-paid registered post to ATA at PO Box 6468, Footscray West, Victoria 3012 [Tel: 0448 404 333] or by email to [admin@ata.com.au] by you within seven days of becoming aware of the defect. Proof of purchase by you, the date of purchase, and evidence of who installed the product, with relevant contact details, must accompany all claims. In the event of a dispute arising in relation to a claimed defect, ATA reserves the right to engage an independent expert



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to investigate and report, and the cost of the expert will be borne by the party at fault. The benefits to you given by this warranty are in addition to other rights and remedies you may have under any law in relation to the goods to which the warranty relates. Our goods come with guarantees that cannot be excluded under the

Australian Consumer 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 replaced or repaired if the goods fail to be of acceptable quality and the failure does not amount to a major failure.”

Contact Details:

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