

AQUAFLEX WPM BLUE OAR

HYBRID POLYURETHANE MEMBRANE

DESCRIPTION

ATA AQUAFLEX WPM C3 is a high-performance, single-component polyurethane/acrylic, fibre-reinforced water-based membrane. Forming a tough, flexible elastomeric coating, **AQUAFLEX WPM C3** integrates seamlessly with ATA's range of adhesives and engineered screeds for under-tile installations. It is also suitable as an exposed membrane in external applications subject to UV, weather and light pedestrian or maintenance traffic.

AQUAFLEX WPM C3 has undergone independent testing and complies with AS/NZ 4858:2004 and AS/NZ 4654.1:2012 internal and external wet areas under tiles or as a standalone exposed membrane

USES

- Internal wet areas, showers, laundries, and bathrooms
- External wet areas, balconies, decks & terraces
- General internal / external tiled areas
- Rooftops as an exposed membrane designed for intermittent and maintenance traffic
- Parapets and external surfaces subject to UV, weather and general exposure

SUBSTRATES

- Concrete, render, screed and masonry
- Compressed fibre cement sheeting & plasterboard

For other substrates, please contact ATA first.



FEATURES & BENEFITS

- Solvent free
- Class III membrane
- Highly flexible and elastomeric
- Handles continuously wet conditions and water ponding
- Durable and tough
- UV stable and weather resistant
- Suitable for light foot and maintenance traffic
- Excellent sealing and low water vapour transmission properties
- Compatible with the complete range of ATA engineered screeds and tile adhesives

Independently tested and compliant to AS/NZ 4858:2004 and AS/NZ 4654.1:2012 for internal and external wet areas for under tile and exposed applications.

SURFACE PREPARATION

- Surfaces must be clean, sound, smooth, dry, and free from loose material, dirt, dust, oil, grease, wax residues, curing compounds, release agents, existing coatings, organic material, sharp objects and general contaminants that could affect the adhesion of the membrane system
- Structurally unsound layers and contaminants must be mechanically removed.
- Masonry surfaces to be pointed flush, and all defects including voids, holes, damaged sections, heavily pitted areas, undulations and cracks to be filled, made good and level. Refer to the ATA range of preparation aids, levellers and repair compounds for options
- All surfaces and substrates must be fit for purpose, constructed and installed to manufacturer's recommendations in line with relevant building standards in force at time of application
- Concrete to be allowed to cure for at least 28 days, and cement render/sand cement screeds allowed to cure for at least 7 days
- Do not apply to damp surfaces, consult ATA for further advice if required

PRIMING

AQUAFLEX WPM C3 must be applied over primed surfaces:

POROUS/ABSORBENT SURFACES:

ATA AUS-BOND WB PRIMER/ADMIX

Apply 1-2 coats @ coverage of 1litre/8m² per coat

NON-POROUS/ NON-ABSORBENT SURFACES:

ATA AUS BOND ULTRAPRIME

Apply 1 coat @ coverage of 1litre/10m²

Refer to ATA primer data sheets for specific application details

DETAILING & BONDBREAKER SYSTEM

OVERVIEW	OPTION A	OPTION B
Bond breaker & Joint Transitions (AS 3740 & A/NZ 4654.1)	Aqua-Band Flexible Bandage	ATA Fillet and Joint Seal
Pipes and penetrations	Aqua-Band Collars	ATA Fillet and Joint Seal
Leak control flanges & general fixtures	ATA Fillet and Joint Seal	ATA Aqua-Stick Butyl Tape
Static cracks ≥1mm up to 6mm/ Small voids	ATA Fillet and Joint Seal	

BONDBREAKERS AND JOINT TRANSITIONS

OPTION 1: Aqua-Band flexible Bandage

- Measure and cut **Aqua-Band flexible Bandage** for joints/junctions to be sealed.
- Apply first coat of **AQUAFLEX WPM C3** membrane by brush or roller in a 150mm wide strip applied centrally over the joint, and embed Aqua-Band flexible Bandage into the wet coat
- Using a brush, press down firmly over the face of the Joint Band ensuring all creases or air pockets behind fabric edges are pushed out
- Apply a second coat of **AQUAFLEX WPM C3** membrane to fully encapsulate the Joint Band and bond to surfaces
- **Aqua-Band Corners** are available for both internal (90°) and external (270°) junctions

OPTION 2: ATA Fillet and Joint Seal

- Install bond breaker fillet using ATA Fillet and Joint seal to floor/wall junctions & horizontal/vertical joint transitions where the membrane will be bonded to the substrate and tool off smooth

PIPES & PENETRATIONS

- For wall and floor pipes & penetrations, measure and fit **Aqua-Band Collars** over the neck of the pipe.
- Fix to the surface in a wet bed of **AQUAFLEX WPM C3** membrane
- Alternatively, seal perimeter of wall/floor pipes and penetrations with **ATA Fillet and Joint Seal**, ensuring voids/gaps between pipe and substrate are bridged and sealed. Tool off smooth.

LEAK CONTROL FLANGES & FIXTURES

- Seal perimeter flanges and general fixtures to the substrate with **ATA Fillet and Joint Seal**, ensuring voids/gaps between flange/fixtures are bridged and sealed. Tool off smooth.
- Alternatively, seal around flanges/fixtures with lengths of **Aqua-Stick Butyl Tape** and over coat with **AQUAFLEX WPM C3** Membrane

STATIC CRACKS ≥1mm / SMALL VOIDS

- Clean and remove any loose material from inside the crack/ /void
- Fill flush with surrounding surface with **ATA Fillet and Joint Seal***

* **ATA Aqua-Band Flexible Bandage** can be used conjunction with ATA Fillet and Joint Seal where additional reinforcement is required

APPLICATION

- **AQUAFLEX WPM C3** is to be installed in line with current edition, relevant volume and sections of the NCC (National Construction Code of Australia) relating to all waterproofing applications within the scope of use for the product
- Apply an even first coat to the surface using a brush or medium nap roller at a minimum wet film thickness of 0.75mm
- Allow to dry and apply a second coat at right angles to the first coat to the surface at a minimum wet film thickness of 0.75mm.
- **AQUAFLEX WPM C3** is to be applied in a minimum of 2 coats at a total minimum coverage of 1.5 litres/m²
Final dry film thickness (DFT) is 0.9mm
- ATA recommends regular testing of each coat with a wet film thickness gauge during installation.

THICKNESS

	Wet Film	Dry film	Total
1 st coat	0.75mm	0.45mm	0.45mm
2 nd coat	0.75mm	0.45mm	0.9mm

COVERAGE

8-10m² per 15litre pail*

Note: Coverage is dependent upon surface condition and will vary as uneven and highly porous surfaces will require greater coverage to achieve the required film thickness.

DRY TIMES

Recoat	2-4 hours
Tiling / Toppings	48 hours
Full Cure / Flood Test	7 days
Note: Figures based on typical ambient conditions of 23°C and 50% RH. Longer drying times will be required in cooler temperatures and high humidity	

PACKAGING

15 Kg Pail

CLEAN UP

Clean up with water while wet. Once dry product needs to be removed mechanically or by solvent

SHELF LIFE/STORAGE

- 12 months when stored in original unopened packaging
- To be stored in a dry area off the ground
- Do not store in direct sunlight

LIMITATIONS

- Do not apply when surface or ambient temperatures are below 5°C or above 35°C
- Do not apply when raining or if rain is imminent
- Do not use for immersed applications, e.g. pools or ponds
- Must not be applied to damp, or high moisture content substrates. Consult ATA
- **AQUAFLEX WPM C3** is suitable for light, intermittent and maintenance traffic only. Not to be used for vehicular or pedestrian traffic areas
- For detailed advice on applications not mentioned in this TDS, contact the ATA Technical Department

HEALTH & SAFETY

For information and advice on the safe handling, first aid, storage and disposal of chemical products, users must refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

TECHNICAL DATA:

Colour	Blue Oar
Form	Viscous liquid
Specific Gravity	1.26g/cm ³
Water Vapour Transmission ASTM E96 Desiccant method	3.2g/24h/m ²
Tensile Strength AS4858	>3MPa
Elongation AS4858	>400%
Classification	Class III
Compliance to AS4858	PASS
Compliance to AS 4654.1	PASS

WARRANTY STATEMENT

ATA guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification.

We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials.

ATA will replace the product free of charge when purchased from any legally verifiable source and where the product is proven to have been stored, handled, and installed according to instructions published on our packaging and within the stated shelf life. The installation of all materials must be carried out in accordance with relevant Australian Standards.

Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control.

Sufficient time and access to investigate any complaint must be accorded to ATA.

The consumer is responsible for any expenses incurred in making a claim.

Conditions of Sale contain a limited warranty against manufacturing defects.

A claim form can be requested by email or phone.

CONTACT DETAILS

Sales: customerservice@ata.com.au

0448 404 333

Technical: team@ata.com.au

0427 402 549

Other Enquiries: admin@ata.com.au

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