

Technical Data Sheet.

## ***Everflex Aqua-Ban Membrane***

***Under Tile Class III SBR Waterproof Membrane.***

### **Description**

Everflex Aqua-Ban is a single-component self-reinforced elastomeric waterproof membrane, specifically formulated for under tile applications.

Everflex Aqua-Ban has been tested in accordance with the National Construction Code (NCC) to AS-4858:2004 and AS4654.1 standards, ensuring compliance for both internal and external under-tile applications.

Everflex Aqua-ban, once fully cured, forms a class 3 waterproof barrier that is durable, flexible, odourless and a fully bonded seamless membrane that does not re-emulsify when immersed in water.

### **Uses**

- Bathrooms, Shower recesses
- Laundries, Toilets. Kitchens
- Patios, Terraces, Decks and Balconies
- Areas that are to be covered by stone or ceramic tiles.

### **Acceptable Substrates**

- Concrete.
- Sand cement screed or Engineered screeds.
- Masonry/render.
- Cement sheeting/underlay / external weatherboard / blue board
- Pre-cast concrete, once the release agent has been removed/ dissipated.
- Wet area plasterboard / Villaboard
- Timber flooring, including structural plywood Type A (PAA JAS-ANZ)
- Brickwork, Hebel (aggregate block)



### **Benefits**

- Ready to use – Single pack.
- Rapid Drying for Tiling sooner.
- Non-Toxic, Low VOC: Meets “Green Star” environmental criteria.
- Water-based, easy clean up with water.
- Excellent adhesion to the most common building materials.
- Compatible with a broad range of tile adhesives.
- Part of a compatible waterproofing tiling system.
- Inhibits mould and biological growth.
- Tested in accordance with NCC, AS-4858 & AS-4654.1.
- High permanent flexibility, Class III.
- Virtually odourless.
- Low Permeability– allowing for use on timber floors.
- Micro Fibre Reinforced.
- Once fully cured, it does not re-emulsify for long-term performance.
- Tough & Durable.
- Suitable for Internal & External Applications.

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## **Limitations**

- Do not apply membrane when temperatures are below 10 °C or above 35 °C.
- Limited U.V. resistance (not designed for long term U.V exposure and must be tiled or topped).
- Do not apply on damp, wet or contaminated substrates, if it is raining or if rain is imminent.
- Not suitable as an exposed membrane
- Not suitable for areas subject to negative hydrostatic pressure or rising damp.
- Foot traffic

## **Application**

### **Surface preparation:**

All surfaces must be structurally sound, stable, dry, clean, and free of dust, loose, flaking, friable material and free from oils, grease, form release agents, curing compounds, and any other surface contamination that may hinder adhesion. Ensure that surfaces are free of protrusions to achieve a continuous, even film build. Removal of sharp edges and ridges, chamfer external corners 12mm. Non-structural cracks, holes, and deformities are to be rectified. Substrate must be free from surface water and continual dampness. Concrete must be allowed to cure for at least 28 days.

**Screed and render:** A 3:1 ratio sand and cement screed, or Gripset C-Bed engineered screed is recommended if falls need to be created prior to membrane application. Sand cement screeds and cement render must be allowed to cure for at least 4 days prior to the application of primers. Failure to do so may result in poor adhesion and subsequent delamination.

**Priming:** The use of a primer is always recommended, particularly on porous and warm surfaces. For internal applications, Everflex WBP is typically sufficient, while for external applications like Roof Terraces and Balconies, Everflex VBS is advised. Refer to the primer Technical Data Sheet (TDS) to ensure you have the appropriate primer for your application and apply it in accordance with the primer's TDS. Once the primer is touch-dry, apply Everflex Aqua-Ban within 24 hours; times vary depending on atmospheric conditions. Metal surfaces: a metal etch with either VBS or OP primer. For other non-porous surfaces, OP primer is normally sufficient.

### **Everflex Aqua-ban Installation:**

Please note that installation of the Aqua-Ban waterproof system must be strictly in accordance with the requirements as detailed in the National Construction Code.

Before use, mix Everflex Aqua-Ban thoroughly. Using a brush and or roller, apply the first coat of product to achieve an even and consistent coat of approximately 0.75mm wet film thickness. Once the first coat has dried, apply a second coat at a right angle to the first coat at 0.75mm wet film thickness. Verify wet film thickness with a film thickness gauge. Everflex Aqua-ban must be applied with a minimum of two coats, achieving a minimum dry film thickness (DFT) of 1mm. The average recoat time is 2-4 hours after being dry to the touch, and within 24 hours, at 25°C and 50% humidity. These times vary depending on atmospheric conditions. If more than 2 coats are required to achieve the minimum DFT, apply additional coats at right angles to the previous until the correct DFT is achieved.

### **Waste Outlets, Penetrations and Angles**

**Waste Outlets:** Floor wastes and puddle flanges should be rebated into the floor to allow water to readily drain. Fill all gaps and perimeters with Adheseal PU or Hi-Flex MS sealant.

**Waterstops:** Where required by the NCC, including door barriers, balcony edge trims or shower waterstops, they should be sealed and secured with Adheseal PU or Hi-Flex MS sealant.

### **Gaps, Joints and Transitions:**

Apply a fillet forming a cove, with Adheseal PU, Hi-Flex MS sealant or suitable bond breaker to internal corners and over sheet joints, bond breaker to be 12mm for wet areas, 38mm for external above-ground gaps, joints and internal corners. For additional protection, apply polyester reinforcing fabric to the corners and joints saturated into the first coat of membrane. For dynamic cracks/expansion joints and control joints, the use of Adheseal Elastoproof is recommended. For any further guidance, please contact the Adheseal Technical Department.

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## Coverage

INTERNAL: A minimum of two coats is required to give a DFT of 1mm to be installed over all areas, typically 1.5 litres per square metre; this may vary depending on surface profile and porosity.

External: A minimum of two coats is required to give a DFT of 1.3mm to be installed over all areas.

## Cure Time.

Allow approximately 48 hours cure time @ 25 °C & 50% humidity before tiling. Please note that all cure times vary depending on atmospheric conditions and substrate porosity.

## Clean Up.

While the product is still wet, tools and spills can be efficiently cleaned with water. For cured product removal, consider using mechanical means.

## Colours

Grey, Blue

## Tiling:

**Tile screed:** A 3:1 ratio sand and cement screed, or Gripset C-Bed engineered screed, is recommended for tile screeds. Sand cement screeds must be allowed to cure for at least 4 days prior to the application of primers. Failure to do so may result in poor adhesion and subsequent delamination.

**Tile Adhesives:** Everflex Aqua-Ban is a tile adhesive-friendly membrane with a proven track record with all types of solvent-free and cementitious adhesives. Gripset have confirmed the adhesion of the C-Lite, C-Mastic, C-Rubber and RLA their Unigrip & Mastic Adhesives compatibility with Aqua-Ban. Confirmation of adherence should be sought from the other adhesive manufacturers.

## Packaging

15Lt Aqua-Ban Blue AQUABBL/15  
15Lt Aqua-Ban Grey AQUABGR/15

## Note:

Before application, refer to all relevant TDS's and SDSs ' detailed product specifications & application instructions.

## Physical Properties

Type of product	Elastomeric Waterproof Membrane
Density (specific gravity)	1.3
Consistency	Thick Liquid
Tested in accordance with:	AS4858:2004, AS4654.1:2012
Elongation AS 4858	Class III. 391%
VOC	<1gm/lit. (Greenstar Compliant)
Water absorption AS 3558.1	0.75%
Resistance to cracking AS 3848	Pass: No fatigue cracking exhibited
Durability: Deionised water, Bleach, Detergent & Heat Aged	Passed all
Clean up	Water while wet
Storage: Cool Dry	Between +10°C & +35°C
Application temperature	Between +10°C & +35°C
Service temperature	Between - 40°C & +80°C
Consumption	1.5 lt./mt <sup>2</sup>
Recoat time @ 25 °C	2-4 Hours after touch-dry & within 24 hours. (times may vary depending on climatic conditions)
Final Drying time @ 25°C & 50% Humidity	48 hours (times may vary depending on climatic conditions)
Shelf life	Minimum 12 months from DOM
Colours	Grey, Blue
Elongation AS4654.1:2012:	Class II
Permeability: ASTM E96	3.92g/m <sup>2</sup> /24h

## Adheseal B.A.T. Program

(Bond Adhesion Testing) Program.

For over 15 years, Adheseal has offered a service in which a program has been established to help eliminate potential site problems by pre-testing Adheseal sealants and adhesives with most building materials to which our Sealants and adhesives are to be applied.

This service is available for projects where pre-installation testing of our products will aid in determining the best application methodology to achieve optimum adhesion. Contact your Adheseal representative for further information.

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**Specification:** The information contained in this TDS is typical but does not constitute a full specification, as conditions and specific requirements may vary from project to project. The instructions should be considered as a minimum requirement. The applicator or contractor must use their skill, knowledge, and experience to carry out additional works as may be necessary to meet the requirements of the project. Specifications for specific projects should be sought from the company in writing.

**Conditions Of Use and Disclaimer:**

The information contained in this TDS is given in good faith based upon our current knowledge and does not imply a warranty, expressed or implied. The information is provided, and the product is sold on the basis that the product is used for its intended purpose and is used in a proper workman-like manner in accordance with the instructions of the TDS in suitable and safe working conditions. Under no circumstances will the Company be liable for loss, consequential or otherwise, arising from the use of the product.

## Health and Safety

**Eyes:** If this product comes in contact with the eyes, wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from the eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention without delay; if pain persists or recurs, seek medical attention.

Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

**Skin:** If skin contact occurs, immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available).

Seek medical attention in the event of irritation.

**Inhalation:** If fumes, aerosols or combustion products are inhaled, remove from the contaminated area. Other measures are usually unnecessary.

**Ingestion:** Immediately give a glass of water.

First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

## WARNING

Brisbane North	26 Wolverhampton St, Stafford QLD 4053
Brisbane South	8 Moss St, Slacks Creek QLD 4127
Sunshine Coast	18 Kessling Ave, Kunda Park QLD 4556
Gold Coast	12 Distribution AV Molendinar QLD 4214

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