

Technical Data Sheet

Everflex WPM**Premium Grade Under Tile Class 3 Waterproof Membrane****Adheseal***The Adhesive and Sealant Specialists***Description**

Everflex WPM is a single component self-reinforced elastomeric waterproof Membrane, specifically formulated for under tile applications.

Everflex WPM 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 WPM once 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

- Wet areas, Shower recesses
- Laundries, Toilets. Kitchens
- Patios, Terraces, Decks and Balconies
- Under tile.

Benefits

- Ready to use – Single pack.
- Rapid Drying for earlier Tiling
- Non-Toxic, Low VOC Meets “Green Star” environmental criteria.
- Water based easy clean up with water.
- Inhibits mould and biological growth.
- Compatible with all common building materials
- Tested in accordance with NCC, AS-4858 & AS-4654.1
- High permanent Flexibility Class III
- Low Permeability– allowing for use on timber floors.
- Micro Fibre Reinforced
- Once fully cured does not re-emulsify, long term performance.
- Tough & Durable
- Suitable for Internal & External Applications

Acceptable Substrates

- Concrete after curing period of 28 days.
- 3:1 sand cement screed or C-Bed.
- Masonry / render after curing period of at least 4 days.
- Cement sheeting / underlay / external weatherboard / blue board
- Pre-cast concrete once release agent has been removed/ dissipated.
- Wet area plasterboard / Villaboard
- Timber flooring including structural plywood Type A (PAA JAS-ANZ)
- Brickwork, Hebel (aggregate block)

Limitations

- Do not use 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

Technical Data Sheet

Everflex WPM**Premium Grade Under Tile Class 3 Waterproof Membrane****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 from protrusions, so that a continuous even film build is achieved. 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. Sand cement screeds to be a 3:1 ratio and cement render must be allowed to cure for at least 4 days prior to application of primers. Gripset C-Bed engineered screed can be used if required. 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 decks and balconies, Everflex VBS is recommended. 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 2 -24 hours, times vary depending on atmospheric conditions.

WPM Installation: Before use, mix Everflex WPM thoroughly. Using a brush 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 right angle to the first coat at 0.75mm wet film thickness. Verify wet film thickness with a film thickness gauge. Everflex WPM must be applied with a minimum of two coats achieving minimum a dry film thickness (DFT) of 1mm. The average recoat time is 2-4 hours after touch dry, 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 to be applied 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 exterior door barriers and plastic corner angles, or waterstops, they

should be sealed and secured with Adheseal PU or Hi-Flex MS sealant.

Gaps, Joints and internal corners:

Apply a fillet with Adheseal PU, Hi-Flex MS sealant or suitable bond breaker to internal corners and over sheet joints in accordance with the relevant Australian Standard. WPM cannot span gaps. For dynamic cracks/expansion joints and control joints, the use of Adheseal Elastoband or Butyl Tape systems is recommended. If required, apply polyester reinforcing fabric to the corners and joints when applying your first coat of membrane. For further guidance, please contact the Adheseal Technical Department.

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 @25dg & 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

Packaging

15Lt WPM Blue WPMBL/15

15Lt WPM Grey WPMGR/15

Tile Adhesives:

Everflex WPM Ban is a tile adhesive friendly membrane, with a proven track record of all types of solvent free adhesives being installed over Everflex WPM. RLA & Gripset have confirmed suitability of the C-Lite, C-Mastic, Unigrip & Mastic Adhesion over WPM. Confirmation of adherence should be sought from the relevant adhesive manufacturer.

Technical Data Sheet

Everflex WPM**Premium Grade Under Tile Class 3 Waterproof Membrane****Physical Properties**

Type of product	Elastomeric Waterproof Membrane
Density (specific gravity)	1.3
Consistency	Thick Liquid
Tested in accordance with to AS:	AS4858:2004, AS4654.1:2012
Elongation AS 4858	Class III. 391%
VOC	<1gm/lt (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	Pass 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 ²
Recoat time @ 25°C	2-4 Hours after touch-dry & within 24 hours. (may vary with climatic conditions)
Final Drying time @ 25°C & 50% Humidity	48 hours (may vary with climatic conditions)
Shelf life	Minimum 12 month from DOM
Colours	Grey, Blue
Elongation AS4654.1:2012:	Class II
Permeability: ASTM E96	3.92g/m ² /24h

Note:

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

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. Specification 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 warranty, express 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

First Aid: If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact: If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Notes to physician: Treat symptomatically. Provide medical profession with SDS.

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

WARNING