

Technical Data Sheet

Everflex WPUV & HVUV**Premium Grade UV Class 3 Waterproof Membrane****Adheseal***The Adhesive and Sealant Specialists***Description**

Everflex WPUV / HVUV is a Premium Grade single component self-reinforced elastomeric waterproof Membrane, specifically formulated for UV exposed applications.

Everflex WPUV 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 applications.

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

Uses

- (Exposed Roofs and under Pedestal systems.
- Wet areas, Shower recesses.
- Laundries, Toilets. Kitchens.
- Patios, Terraces, Decks and Balconies.
- Under tile.

Benefits

- Suitable for UV exposed applications
- Withstands Maintenance foot traffic.
- 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
- Micro Fibre Reinforced
- Once fully cured does not re-emulsify, long term performance.
- Tough & Durable
- Suitable for Internal & External Applications

Limitations

- Do not use when temperatures are below 10°C or above 35°C.
- Do not apply on damp, wet or contaminated substrates, if it is raining or if rain is imminent.
- Not suitable for areas subject to negative hydrostatic pressure or rising damp.
- Foot traffic greater than Maintenance

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).

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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 WPUV / HVUV within 2 -24 hours, times vary depending on atmospheric conditions.

Everflex WPUV Installation: Before use, mix Everflex WPUV 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 WPUV 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 two 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 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 Hi-Flex MS sealant.

Gaps, Joints and internal corners:

Apply a fillet with Adheseal Hi-Flex MS sealant or suitable bond breaker to internal corners and over sheet joints in accordance with the relevant Australian Standard. WPUV 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.

Additional UV and Mechanical Protection can be achieved with the application of LS slip resistant UV protective coating.

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. WPUV is typically applied on external areas, cure times are typically reduced, therefore be aware of recoat windows.

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

Light Grey, Solar Reflectance Index is approximately 0.32.

Up to 75ml of black Glycol tint can be added to WPUV to change the colour of the product, this will affect the SRI of the applied finish. For example, Colourbond Windspray has an SRI of 0.58.

Tile Adhesives:

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

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Everflex WPUV & HVUV**Premium Grade UV Class 3 Waterproof Membrane****Packaging**

15Lt Everflex WPUV Light Grey WPUVSTD/15

Physical Properties

Type of product	Elastomeric Waterproof Membrane
Density (specific gravity)	1.24
Consistency	Thick Liquid
Class III	Elastomeric liquid applied membrane
VOC	<2gm/lit (Greenstar Compliant)
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/m ²
Recoat time @ 25°C	2-4 Hours after touch dry
Final Drying time @ 25°C	48 hours (may vary with climatic con-
Shelf life	Minimum 12 month from DOM
Colours	Light Grey
Test certificates to AS: by	AS4858:2004, AS4654.1:2012
Permeability	2.2g/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 man-

ner 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.

GHS Info

Hazard Statements: Skin Corrosion/Irritation - Category 2 Causes mild skin irritation. Causes eye irritation.

Precautionary statements- Prevention: Keep out of reach of children

Precautionary statements- Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Gently wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary statements- Disposal: Not allocated

Contents: Alkyl Acrylate-Styrene Copolymer 5-20 % (w/w) Polyurethane emulsion 10-30 % (w/w) Talc (Mg₃H₂(SiO₃)₄) <30 % (w/w) Water 30-40 % (w/w) Ingredients determined to be Non-Hazardous Balance

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

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult doctor if symptoms persist.

Skin Contact: Immediately wash with water and soap and rinse thoroughly.

Eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor

Ingestion: Do not induce vomiting. Seek medical attention if symptoms develop. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

PPE for First Aiders: Wear gloves, apron, safety glasses, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

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

WARNING