

## BASTION EXTRIOR UV STABLE WPU MEMBRANE

### Fibre Reinforced Acrylic/Polyurethane Membrane



#### Description

Bastion Exterior UV Stable WPU is an elastomeric one part polyurethane/ Acrylic fibre reinforced water based membrane developed as a high performance internal/ external membrane for most general waterproofing applications. Suitable for both under tile applications and as an exposed finish for external applications where a UV stable, occasional trafficable membrane is required.

Bastion Exterior UV Stable WPU is compliant to AS/NZS 4858:2004 and AS4654.1:2012, satisfying the requirements of waterproofing to internal and external wet areas.

#### Waterproofing Uses

- Internal wet areas, showers, bathrooms, laundries and tiled areas
- Balconies, decks, podiums, terrace floors
- Roofs to be covered over with screeds and toppings
- General tiled areas to prevent moisture ingress.
- Balconies, Decks and Rooftops as an exposed Membrane finish subject to UV and light, occasional foot traffic

#### Application

Bastion Exterior UV Stable WPU Membrane is suitable for commercial and residential applications.

#### Features & Benefits

- Water based, free of solvents, non-toxic and non-flammable
- UV stable for external applications
- Able to withstand continuously wet environments and ponding water
- Compatible with tile finishes, concrete, render and masonry toppings
- Durable and tough finish
- Excellent vapour barrier & low water vapour transmission properties
- Can handle light maintenance traffic once fully cured
- Compliant to AS4858:2004 and AS4654.1:2012 for use in internal and external wet area applications as a Class III Membrane

#### Substrates

Substrates suitable for applying Bastion Exterior UV Stable WPU Membrane over include:

- Concrete, render and masonry
- Fibre cement sheeting, plasterboard and structural sheeting
- Wet area timber sheeting and external grade plywood
- Aerated concrete panels and blocks

For further information on suitable surfaces and substrates contact Bunnings or for correct advice on surface preparation and suitability.

#### Surface Preparation

**Surfaces must be prepared thoroughly before commencing and is critical to the success of the waterproofing application .**

All substrates must be structurally sound, smooth, stable, dry, and clean. Rough surfaces and voids to be evened or filled first and all brick/ block surfaces to be pointed flush. All general surface defects to be repaired. Building surfaces must be fit for purpose and constructed to manufacturer's recommendations and relevant building standards in force at time of membrane application. All surfaces are to be free of sharp protruding objects, loose material, de-bonded coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats or grease remains and general contaminants. Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods. Surfaces to have required falls to drainage and free from ponding areas

#### Priming

Bastion Exterior UV Stable WPU Membrane must be applied onto primed surfaces:

##### Porous/Absorbent surfaces:

**Bastion Porous Primer:** Brush or roller apply primer to total surface area at a minimum coverage of 1 litre per 8-10m<sup>2</sup> and allow drying for 20 minutes Refer Bastion Porous Primer TDS

##### Non porous/non-absorbent surfaces.

Use proprietary water based primers suitable for non-porous/non-absorbent surfaces. Contact Bunnings for advice on primer suitability

##### Damp surfaces:

Use proprietary water based moisture barrier primers. Contact Bunnings for advice on primer suitability

#### Detailing

All critical areas subject to movement and flexing are to be correctly sealed and detailed prior to membrane application including:

- Wall/floor junctions
- Horizontal and vertical joint transitions
- Floor sheeting joints
- Movement joints
- Around floor and wall penetrations
- Leak Control Flanges
- Cracks
- General fixtures and fixings

##### Wall/floor junctions:

Bastion Bond Breaker Joint Band, *or*  
Bastion Bond Breaker Joint Sealant + Bastion Waterproofing Reinforcing Fabric

##### Horizontal & vertical joint transitions:

Bastion Bond Breaker Joint Sealant + Bastion Waterproofing Reinforcing Fabric

##### Floor sheeting joints:

Bastion Bond Breaker Joint Band, *or*  
Bastion Bond Breaker Joint Sealant + Bastion Waterproof Reinforcing Fabric

##### Movement Joints:

Bastion Bond Breaker Joint Band

##### Around floor and wall penetrations, Leak Control Flanges & Cracks

Bastion Bond Breaker Joint Sealant + Bastion Waterproof Reinforcing Fabric

##### Important:

Always refer to relevant Bastion TDS and product packaging for installation instructions

#### Application

Where applicable the application of Bastion Exterior UV Stable WPU Membrane must comply with the following standards:

**AS3740- 2021** - Waterproofing of wet areas within residential areas

**AS4654.2 2012** - Waterproofing membrane systems for exterior use – above ground level

- Product can be applied by medium nap roller or brush.
- A continuous seamless membrane should be the final finish to the total area upon completion of the waterproofing membrane application
- Stir prior to use.

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### Coverage

- Using a brush or medium nap roller, apply an even and consistent first coat to the surface at a minimum wet film thickness of 750 microns
- Once the first coat is dry, apply a second coat at right angles to the first coat to the surface achieving a minimum wet film thickness of 750 microns
- Bastion Exterior WPU Membrane is to be applied in a minimum of 2 coats at a total minimum coverage of 1.5 litres/m<sup>2</sup>
- Total minimum dry film thickness (DFT) for 2 coats is 0.8mm
- It is recommended that regular testing of the depth of the coat with a wet film thickness gauge at regular intervals be conducted during installation.

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

### Tiling & Surface Toppings

When tiling directly over Bastion Exterior UV Stable WPU Membrane in internal or external floor areas, polymer modified cement-based adhesives must be used. If applying a screed, render or concrete topping over Bastion Membranes, proprietary bonding agent and water-resistant additives should be used in the mix.

For use of other adhesives over Bastion Exterior UV Stable WPU Membrane contact Bunnings for detail of compatibility. Premixed tile adhesives are not recommended.

**Note:** All tiling is to be carried out to AS3958.1 "A Guide To The Installation of Ceramic Tiles"

### Clean up

- In water while wet.
- Once dried product needs to be removed mechanically or by solvent

### Packaging

4L and 15Kg pails

### Shelf life/Storage

- Best stored at room temperature.
- Avoid cold freezing conditions and off concrete floors.
- Do not store in direct sunlight.
- Shelf life: 24 months in unopened container

### Precautions

- Do not apply to areas when rain is imminent
- Do not apply when surface temperature is below 5°C or above 30°C
- Not to be applied over glass or glazed surfaces
- Not designed as a sealant for expansion or control joints
- Not to be used in areas where solvent or petroleum-based products may be spilled
- Not to be used in areas subject to negative hydrostatic pressure
- All finish coatings over this membrane must be water based and solvent free
- Bastion Exterior WPU must not be used as a wearing surface for heavy foot or vehicle traffic.
- Safety Data sheet (SDS) available
- For further information contact Bunnings

### Product Information

**Appearance:** Wet and dry film – Grey.

**Form:** Viscous Paste.

**Dry Times**

Re-coat: 2-4hours

Dry film: 24hours

Tiling or toppings over: 24 hours.

Flood test: 10 days

### IMPORTANT

Dry times are based on normal ambient temperatures of 23°C and 50% RH

**Cooler temperatures and high humidity will prolong drying times**

### Technical Data

**Specific Gravity:** 1.26kg/ litre.

**Elongation classification:** >300% - Class 3.

**Tensile Strength:** 3MPa

**Vapour Transmission:** 3.2g/24hours/m<sup>2</sup>

### Notes

It is recommended before commencing the application; that adhesion of products to be used (e.g. primers, membranes, coatings adhesives etc) is tested over a typical area of the prepared surface to ensure satisfactory adhesion. It is the responsibility of the applicator to carry this out and accept the substrate suitability before any application starts. Details contained in product data sheets are general. For any situation or items not covered in this data sheet, it is the responsibility of the applicator to check with Bunnings before commencing the application.

### Product Disclaimer

This Product Data Sheet (PDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the way, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Bunnings does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

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### Bastion Exterior UV Stable WPU Membrane TDS

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