



Product Data Sheet

BluProof

BluProof is an elastomeric, single component SBR, fibre reinforced membrane that has been designed for general wet area waterproofing applications including:

- Wet areas and shower alcoves
- Balconies and deck areas
- Below ground (external) applications such as basement walls

BluProof forms a flexible and high tensile membrane finish displaying good high build reinforced properties, providing an easy to use single component membrane for vertical and horizontal surfaces.

BluProof offers excellent adhesion properties over building substrates including concrete, masonry, renders, cement sheeting, wet area sheet surfaces and plaster board surfaces. Possesses outstanding low water vapour transmission properties and fully compatible with polymer modified cement-based tiles adhesives, screeds and renders.

BluProof meets the requirements of:

- AS/NZS 4858:2004 Wet Area Membranes as a Class III membrane
- AS3740: 2010/12 Waterproofing of Wet Areas Within Residential Buildings
- AS4654.2: 2012 Waterproofing Membranes for External Above Ground Use

Product Features:

- Elastomeric, flexible and high tensile strength properties
- Once cured will not re-emulsify
- Outstanding low vapour transmission properties
- Excellent adhesion to surfaces
- Compatible bonding properties for tile adhesives, screeds and renders
- Solvent free, non-hazardous, VOC level <80ppm

General Application Details:

- Surfaces must be clean, dry, suitably prepared and in a sound state prior to beginning the application
- Masonry surfaces must be pointed flush and surface defects repaired
- Substrates are recommended to be primed before applying the membrane. There are a range of primers suitable for a variety of substrates and applications
- As a wet area membrane BluProof requires a suitable bond breaker at all substrate junctions. Detailing tape is recommended to be used or equivalent bond breaking methods compliant with local waterproofing standards and building recommendations
- BluProof membrane should be lightly stirred before using, and can be applied to vertical or horizontal surfaces using a roller or brush
- For internal wet areas, a minimum of 2 coats is recommended to be applied, at a minimum coverage of 1.3 litres/m² on floors or 0.65 litres/m² for walls to form a minimum dry film thickness of 1mm on floors and 0.5mm on walls.
- For external wet areas (above & below ground), a minimum of 2 coats is recommended to be applied, at a minimum coverage of 1.5 litres/m² to form a minimum dry film thickness of 1.2mm.

General Technical Data:

WET FORM

- Specific gravity of mixed product: 1.27kg/litre
- Solids content: >78%
- VOC: <80ppm
- Appearance: High Viscosity, Blue or other colours available by request

CURED MEMBRANE

- Elongation: >450%
- Tensile Strength: >1.55MPa
- Adhesion to concrete (primed): >2.0MPa
- Water vapour transmission: 3g/24h/m²
- Shore A hardness: 65

Priming:

All porous surfaces such as concrete, masonry, brick, fibre-cement, sheet and timber must be primed with Aquaprime-GP.

Non-porous or especially smooth surfaces such as FC sheeting or Scyon Sheeting require the use of epoxy primer, Gripset OP Primer or equivalent.

Metal surfaces must be free from rust, clean and should be primed with a primer suitable for metal such as Feronite, Gripset OP Primer or a water-based epoxy.

Where priming over non-paintable silicon is required, coat the silicon with an acrylic gap filler such as “no more gaps”, wait for drying and then apply relevant primer over the top.

When applying membrane over uncured screeds or other cement-based products, two coats of water-based epoxy (with no more than 5% dilution) must be used to act as a vapour barrier.

In all circumstances, the substrate(s) to be primed must be dry, clean and sound prior to the application of primer.

Important Notes:

- BluProof is not designed for use as a permanently exposed membrane
- Drying times are: Recoat – 2-4 hours, Dry film - 12 hours, Tiling/topping - 24 hours, Full cure/flood test – 10 days (Based on normal ambient conditions of 23OC, 50% RH)
- Polymer modified cement-based tile adhesives such as Gripset C-Mastic or Dribond Monoflex are recommended for direct adhesion to the membrane
- Acrylic or SBR bonding agents are recommended for applications of screeds and renders directly over the membrane
- Best storage conditions are in a dry area at room temperature, avoiding humidity and frost
- Product while in a wet state will clean up with water. Once dried product may be removed by mechanical means or with xylene solvent.
- If exposed to weather, do not apply if rain is imminent (within 12 hours at 20°C), or if the temperature is below 10°C or above 35°C. Also note that applying the membrane in cold temperatures, or where there is limited or no air flow over the membrane may result in the membrane failing to dry.

Storage:

- BluProof may be stored for up to 18 months in sealed containers.
- The product is not freeze/thaw proof; do not allow it to freeze.

BluProof 10 Year Product Guarantee

The WaterStop Shop guarantees the performance of BluProof when:

- applied to properly prepared, structurally sound surfaces, and
- tiles are installed in accordance with AS3958, and
- waterproofing is installed in accordance with AS3740-2010/12 (internally) or AS4654.2-2012 (externally) in conjunction with;
 - The WaterStop Shop's written application instructions,
 - all relevant requirements of the National Construction Code (NCC)
 - any relevant local building requirements, and
 - good trade practices

The guarantee is for a period of 10 (ten) years from the time of application and only covers the cost of materials and labour of the original installation when the product is proven and acknowledged to be faulty.

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