



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 is tested and fully 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
- BluProof membrane should be lightly stirred before using and may be applied to vertical or horizontal surfaces using a roller or brush
- Substrates must be primed before applying the membrane. There are a range of primers suitable for a variety of substrates and applications (see below)
- As a wet area membrane BluProof requires a suitable bond breaker at all substrate junctions and/or movement joints. Detailing tape such as Hyperband or Omniflex should be used. Alternatively, equivalent bond breaking methods compliant with AS3740 and the NCC may be used
- A minimum of two 0.8mm wet film thickness coats must be applied, at a minimum total usage of 1.6 litres/m² to form a minimum dry film thickness of 1mm.
- 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)

General Technical Data:

WET FORM

- Specific gravity of mixed product: 1.27kg/litre
- Solids content: >62%
- VOC: <80ppm
- Appearance: High Viscosity, Blue or other colours available by request

CURED MEMBRANE

- Elongation: >500%
- 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, magnesium board or Scyon sheeting require the use of Omniprime or a water-based epoxy primer such as Gripset E-60.

Metal surfaces must be free from rust, clean and should be primed with Omniprime, a water-based epoxy or a metal primer.

When applying BluProof over uncured screeds, concrete or other cement-based products, two coats of water-based epoxy such as Gripset E-60 (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 UV stable and should not be used as a permanently exposed membrane
- 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 dry, 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 20OC), or if the substrate and/or ambient temperature is below 10OC or above 35OC
- Applying the membrane in cold temperatures, a high humidity environment 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 (internally) or AS4654.2 (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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