



## PRODUCT DATA SHEET

# BluProof

### Description:

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

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 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 water vapour transmission properties
- Excellent adhesion to surfaces
- Compatible bonding properties for tile adhesives, screeds and renders
- Solvent free, non hazardous, VOC level <80ppm

### Preparation:

Substrates should be smooth, sound and free from oil, grease, wax, dust, laitance and any loose matter. Masonry surfaces must be pointed flush and surface defects repaired.

### Application Details:

- Surfaces must be clean, dry, suitably prepared and in a sound state prior to beginning the application
- 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 flexible fillet at all substrate junctions. Soudal Multibond MS35 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
- A minimum of 2 coats is recommended to be applied, at a minimum coverage of 1.5 litres/m<sup>2</sup> for general wet area applications.

## Important Notes:

- BluProof is not designed for use as an exposed membrane
- Drying times are: Recoat - 4 hours, Dry film - 12 hours, Tiling/toppings - 24 hours (Based on normal ambient conditions of 23°C, 50% RH)
- Polymer modified cement based tile adhesives 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 is 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 four 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.

## Substrates:

BluProof is suitable for use on cementitious, concrete, masonry, fibre-cement sheeting, plaster board, brick, render, metal and timber surfaces. BluProof may be applied to damp surfaces although freedom from surface water and continual dampness is essential. Damp surfaces will increase drying/curing time.

## Screeds/ Self leveling compounds:

It is highly recommended that when applying membrane over screeds or self-leveling compounds that are not fully cured, that two coats of a 2 pack water-based epoxy (with no more than 5% dilution) is used as migration of surfactants from the screed or self-leveling compound to the membrane may occur, thereby unsettling the chemical composition and integrity of the membrane and prevent it from curing.

## Priming:

All concrete, masonry, brick fibre-cement and timber surfaces must be primed with Aquaprime-XR. Metal surfaces must be free from rust, clean and should be primed with a suitable metal primer. Especially smooth surfaces such as FC sheeting may require keying prior to application or the use of epoxy primer. 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 primer over the top.

## Storage:

BluProof can 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

When tiles are installed in accordance with AS3958 and waterproofing installed in accordance with AS3740-2010 (internally) or AS4654.2-2012 (externally) in conjunction with The WaterStop Shop's written application instructions, good trade practices and any relevant local requirements, The WaterStop Shop guarantees the performance of BluProof when applied to structurally sound surfaces.

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.

For all your waterproofing needs

Bathrooms : Showers : Balconies : Rising Damp : Basements : Rooftops : Retaining Walls : Gutters : Parapets: Ponds : Water Features : Swimming Pools : Spas : Penetrating Damp : Concrete Repair : Driveways : Underground Car Parks