Nitoproof® 810

**Non-UV exposed water based waterproof membrane**

**1.00 Non-UV Exposed Waterproofing**

Where so designated on the drawings, surface shall be waterproofed with a water based liquid waterproofing membrane suitable for wet area and other under tile internal / external waterproofing.

**1.10 Surface Preparation**

 All surfaces to which the waterproofing membrane is to be applied shall be dry, clean, sound and free from loose material, surface irregularities and contamination such as oil and grease.

 Correct priming of the prepared surfaces is recommended to ensure maximum adhesion using a suitable material recommended by the membrane manufacturer.

 All wall to wall and floor to wall junctions, internal and external corners, are to incorporate an elastic, preformed corner and joint band into the membrane system, to accommodate any movement at these junctions.

 Alternatively, apply a compatible polyurethane sealant caulking fillet to these junctions. The sealant must be fully compatible with the nominated membrane.

**1.20 Waterproofing Membrane**

 The waterproofing membrane is to be a single component, water based polyurethane liquid applied membrane.

 The membrane must comply with the requirements of:

 AS/NZ 4654.1 2012 Waterproofing membranes for external above-ground use Part 1: Materials

 AS/NZS 4858:2004 Wet Area Membrane as a Class III membrane

 It shall exhibit the following properties:

|  |  |
| --- | --- |
| **Solid content:** | >60% |
| **VOC content:**  | <2g / litre |
| **Tensile strength (cured):** | >2 MPa |
| **Shore A hardness (cured):** | >65 |
| **Elongation at break (AS 4654.1):** | >300% |
| **Water vapour transmission (ASTM E96):** | 2.20 g/m²/24 hours |
| **UV resistance (AS 4654.1 Table 4):** | 226% 4.36 MPa (Pass) |

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1.21 The waterproofing membrane shall be applied in accordance with the manufacturer’s product data sheet.

**1.30** **Fosroc Nitoproof 810** with **Nitoband** and **Nitoseal PU250 (polyurethane sealant)** meet the performance criteria and are approved.

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