Nitoproof® 610

**Non-UV exposed waterproof membrane**

**1.00 Non-UV Exposed Waterproofing**

Where so designated on the drawings, surface shall be waterproofed with a liquid waterproofing membrane designed for demanding applications not subject to UV exposure.

**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 sealed with a polyurethane sealant caulking fillet to accommodate any movement at 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, moisture curing polyurethane liquid membrane applied by roller, trowel or squeegee to achieve a wet film thickness of not less than 1.5mm (approx. 1.3mm dry film thickness)..

 The membrane must meet the requirements of AS/NZS 4654.1:2012 Waterproofing membranes for external above-ground use Part1: Materials and the requirement of AS/NZS4858:2004 Wet Area Membrane as a Class III

 It shall exhibit the following properties:

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| --- | --- |
| **Solid content:** | >85% |
| **VOC content:**  | 190g / litre |
| **Tensile strength (cured):** | 2 MPa |
| **Shore A hardness (cured):** | 65 |
| **Elongation at break (cured):** | >400% |
| **Moisture transmission rate:** | 7.97g/m²/24hrs (ASTM E 96) |
| **Full cure time @ 20OC / 50%RH** | 12 hours @ 1.5mm WFT |

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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 610** and **Nitoseal PU250 (polyurethane sealant)** meets the performance criteria and are approved.

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