Nitoproof® 310

**Waterproof membrane for under tiles**

**1.00 Internal Wet Area Waterproofing**

Where so designated on the drawings, surface shall be waterproofed with a water based liquid waterproofing membrane designed for applications under tiles.

 The membrane shall meet the requirements of the following standards:

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

 • AS 3740:2010 Waterproofing of Wet Areas within Residential Buildings

**1.10 Surface Preparation**

 All surfaces to which the waterproofing membrane is to be applied shall be, 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 silicone 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, fibre enhanced, liquid applied membrane compatible with polymer modified cement based tile adhesives.

 It shall exhibit the following properties:

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| --- | --- |
| **Solid content:** | >60% |
| **VOC content:**  | <20g / litre |
| **Water vapour transmission (ASTM E96:2016):** | 0.56 g/m²/24hr (Pass) |
| **Elongation (AS4858:2004):** | >500% |
| **Elongation after 56 days water immersion (AS4858:2004):** | 412% (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 310** with **Nitoband (reinforcement system)** and **Nitoseal PU250 (polyurethane sealant)** meets the performance criteria and is approved.

Mar-07

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