Nitoproof® 410

**Fast drying waterproof membrane for under tiles**

**1.00 Under Tile Waterproofing**

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

 The membrane shall meet the requirements of the following standards:

 • AS/NZS 4858:2004 Wet Area Membranes as a Class II 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.

**1.20 Waterproofing Membrane**

 The waterproofing membrane is to be a fast drying, two component, polymer modified cementitious membrane compatible with polymer modified cement based tile adhesives.

 It shall exhibit the following properties:

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| **Mixing ratio:** | 1:1 by weight |
| **VOC content:**  | <10g / litre |
| **Tensile strength (cured):** | >1.2 MPa |
| **Shore A hardness (cured):** | 65 |
| **Elongation (cured):** | >300% |
| **Moisture transmission rate\*:** | 7.05g/m²/24hrs (ASTM E 96) Permeance 48.44ng/Pa.s.m² |
| **Dry film time:** | 5 to 7 hours @ 23OC / 50%RH |
| **Flood testing time:** | 36 hours @ 23OC / 50%RH |

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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 410** with **Nitoband (reinforcement system)** meets the performance criteria and is approved.

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