Nitoproof® 510

**Moisture barrier for hydrostatic (negative) pressure waterproofing**

**1.00 Hydrostatic Pressure Waterproofing**

Where so designated on the drawings, surface shall be treated with a water based liquid moisture barrier designed for hydrostatic pressure applications.

**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 and previous coatings/renders.

 Correct preparation of the surfaces to be treated **is essential** to ensure maximum adhesion.

**1.20 Moisture Barrier Membrane**

 The membrane is to be a two component, epoxy membrane designed specifically for hydrostatic (negative) pressure situations, applied in 2 coats @ 200 microns per coat (WFT) to achieve a total DFT of 200 microns.

 It shall exhibit the following properties:

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| --- | --- |
| **Mixing ratio:** | 1:1 by weight or volume |
| **VOC content:**  | <5g / litre |
| **Volume solids (mixed)** | 49% |
| **Water Vapour Permeance:** | 0.12g / 24 hrs/m².mmHg @ 32°C / 50% RH |
| **Recoat time:** | 3 - 4 hours @ 25OC / 50%RH |
| **Hard cure:** | 24 hours @ 25OC / 50%RH |
| **Complete cure:** | 7 days @ 25OC / 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 510** meets the performance criteria and is approved.

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