Proofex® 3100

**Non-UV exposed, self-adhesive bituminous sheet waterproof membrane**

**1.00 Non-UV Exposed Waterproofing**

Where so designated on the drawings, surfaces shall have a self-adhesive bituminous sheet waterproofing membrane applied.

**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 floor to wall junctions, internal and external corners, are to be detailed in accordance with the material manufacturer’s product data sheet.

 Any sealant used must be fully compatible with the nominated membrane.

**1.20 Waterproofing Membrane**

 The waterproofing membrane is to be a 1.5mm thick bituminous sheet incorporating a cross laminated HDPE film with a selvedge strip to ensure bitumen to bitumen bond along longitudinal joins.

 The waterproofing membrane shall be considered fit for purpose when assessed under the terms of the BRANZ Appraisal scheme.

 It shall exhibit the following properties:

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| --- | --- |
| **Breaking Strength (ASTM D1000):** | 5 N/mm |
| **Elongation at Break (ASTM D1000):**  | >250% |
| **Puncture Resistance (ASTM D4833):** | >100 N |
| **Adhesion Peel Strength (ASTM D1000):** | 3.0 N/mm min |
| **Water Vapour Transmission (ASTM E96):** | 0.30 g/m2 / 24 hr |
| **Service Temperature:** | -10oC to 90oC |

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

**1.30** **Fosroc Proofex 3100** and **Primer 24 (primer)** meets the performance criteria and are approved.

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