Proofex® Torchseal A900

**5mm thick reinforced modified bitumen torch-on bridge deck waterproofing membrane**

**1.00 Polymer modified bituminous waterproofing membrane**

Where so designated on the drawings, the surfaces shall be covered with a 5mm thick torch applied, polyester reinforced, polymer modified bituminous waterproofing membrane with a softening point of ≥150°C and of a non-woven polyester reinforcement of continuous filament weighing ≥250g/m²

placed in the thickness of the membrane.

Application of the membrane should be carried out by a competent applicator, well trained in the application of modified bitumen torch applied membrane systems

**1.10 Surface Preparation**

All surfaces receiving the waterproofing membrane must be firm, dry, and free from contaminants and loose material. Surfaces must also be even and smooth, without any defects that could damage the membrane. Rough concrete must be “faired up” before commencing application.

Priming is essential to ensure adhesion of the membrane – refer to the manufacturer’s product data sheet for guidance.

**1.20 Bituminous Waterproofing Membrane**

The waterproofing membrane shall be 5mm thick, reinforced with non-woven polyester fabric and be based on an elasto-plastomeric bitumen-polymer compound with a non-woven polyester

reinforcement weighing ≥250g/m² placed in the thickness of the membrane.

The waterproofing membrane shall exhibit the following properties:

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| --- | --- |
| **Thickness:** | 5mm (±5%) |
| **Flow resistance at elevated temperature (EN 1110):** | 130°C |
| **Flexibility at low temperature (EN 1109):** | Minus 12 – minus 15°C |
| **Tensile strength (EN 12311-1) N/50 mm:** | longitudinal: 1100 (±20%)  transverse: 950 (±20%) |
| **Tensile elongation (EN12311-1):** | longitudinal: 40% (±15%)  transverse: 45% (±15%) |
| **Dimensional stability (EN1107-1):** | ≤0.5% |
| **Dynamic puncture (EN12691):** | ≥ 1600mm |
| **Resistance to tearing (EN12310-1):** | longitudinal: 200 N (±30%)  transverse: 200 N (±30%) |
| **Joint peel resistance (EN12316-1):** | 60 N/50mm (±20%) |
| **Joint cut resistance (EN12317-1):** | 1000 (L) / 850 (T) N/50mm (±20%) or break out of joint |
| **Impermeability to water (EN1928 B method):** | ≥ 60 kPa |

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

**1.20** **Fosroc Proofex Torchseal A900** meets the performance criteria and is approved.

Mar-07

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