Proofex® Torchseal A700

**4.5mm thick reinforced plant root repellent, modified bitumen torch-on waterproofing membrane**

**1.00 Plant root repellent bituminous waterproofing membrane**

Where so designated on the drawing, the surfaces shall be covered with a 4.5mm thick torch applied, polyester reinforced, polymer modified bituminous waterproofing membrane. The membranes polymer- bitumen compound will also have been modified by adding specific anti-root agents (esterified fatty acids and oxyphenols) to the to improve performance when in contact with the ground or where there is a risk of the system being affected by roots.

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 4.5mm thick, reinforced with non-woven polyester fabric and be based on an elasto-plastomeric bitumen-polymer compound modified with specific anti-root agents (esterified fatty acids and oxyphenols).

The waterproofing membrane shall exhibit the following properties:

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| **Thickness:** | 4.5mm (±5%) |
| **Flow resistance at elevated temperature (EN 1110):** | ≥ 120°C |
| **Flexibility at low temperature (EN 1109):** | minus 10°C |
| **Tensile strength (EN 12311-1) N/50 mm:** | longitudinal: 600 (±20%)  transverse: 500 (±20%) |
| **Tensile elongation (EN12311-1):** | longitudinal: 30% (±15%)  transverse: 35% (±15%) |
| **Dimensional stability (EN1107-1):** | 0.5% |
| **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 A700** meets the performance criteria and is approved.

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