Proofex® PGP

**PVC waterproof membrane**

**1.00 PVC Sheet Waterproofing**

Where so designated on the drawings, the waterproof membrane shall be flexible PVC suitable for application as a loose laid or fully bonded system for waterproofing tunnels and other below ground structures.

**1.10 Surface Preparation**

 Surfaces should be free from cavities and projecting nibs. All surfaces shall be free from running water.

**1.20 Waterproofing Membrane**

 The waterproofing membrane is to be a 2mm thick PVC sheet, coloured light grey on top and black on the underside to help identify any damages that may occur during application.

 It shall exhibit the following properties:

|  |  |
| --- | --- |
| **Tensile Strength sheet only (EN 12311-2):** | Transverse: >14 N/mm2Longitudinal: >16 N/mm2 |
| **Cold flexibility (EN495-5 @ -35OC):** | Pass |
| **Elongation at Break (EN12311-2):**  | Transverse: >300%Longitudinal: >300% |
| **Tear resistance (EN 12310-1):** | >340 N |
| **Puncture resistance (ASTM E154-08):** | 1200 N |
| **Water Impermeability (EN 1928):** | Pass |
| **Water vapor transmission (ASTM E96):** | Nil |
| **Lap joint strength (EN12317 and UEATc):** | >1000 N/50mm (broken out joint) |
| **Root resistance (EN TS14416):** | Pass – no penetration |

.

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

**1.30** **Fosroc Proofex PGP** meets the performance criteria and is approved.

Mar-07

Mar-07