Nitofill® PU130

**Hydrophobic polyurethane grout for leak sealing**

**1.00 Leak Sealing Hydrophobic Grout**

The system utilises a hydrophobic polyurethane resin and accelerator which is injected into prepared leaking cracks and voids in concrete through injection packers / ports.

**1.10 Hydrophobic Polyurethane Resin**

1.11 The leak sealing injection material shall be a polyurethane resin, which is mixed with measured amounts up to 5% of accelerator and water to form a semi-flexible hydrophobic foam.

 Once injected, the material will foam to >25 times its original volume in <60 seconds @ 250C.

 The cured foam shall exhibit the following characteristics at 250C, with 2.5% water and 2.5% Accelerator added.:

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| --- | --- |
| Density (ASTM D-1622):  | 32 kg/m |
| Water Absorption: (Volume Confined) (ASTM D-2127): | <1% |
| Shear strength (ASTM C-273): | 118 kPa |
| Tensile strength (ASTM D-1623): | 202 kPa |
| Elongation (ASTM D-1623): | 44% |
| Viscosity of resin (ASTM D-1638): | 500 cps |
| Gel Time (minutes:seconds): | 1:15 |

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1.12 The injection system shall be applied in accordance with the manufacturer’s product data sheet.

**1.20** **Fosroc Nitofill PU130** usedwith **Nitofill Accelerator** meets the performance criteria and is approved.

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