**Description**

Dual Seal Membranes is a unique self-swelling self-healing tanking membrane designed for use as a cold applied flexible membrane that provides a barrier to the passage of water in all underground structures. An LG grade is available for reverse tanking and a salt water grade for saline conditions.

**Approvals**

Dual Seal Membrane is Agrément certified for use as a suitable tanking membrane for all below ground structures.

**Application**

Dual Seal Membrane is simply laid on a blinding layer in horizontal situations, when being installed vertically it is mechanically fixed to the concrete substrate. There is no need for primers and the membrane may be installed directly onto green concrete or in damp conditions. Bitusheet overband tape is used to seal lap joints to the membrane.

- Total Membrane Thickness: 4mm
- Supply: 1.22 metre x 7.32 metre Rolls
- HDPE Thickness: 0.375mm
- Roll Width: 1.22m
- Roll Length: 7.32m
- Roll Weight: 41kgs
- Coverage area per Roll: 8.59m$^2$

(Subject to standard overlaps)

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>27.50 N/mm$^2$</td>
<td>ASTM D412</td>
</tr>
<tr>
<td>% Elongation at Break</td>
<td>700%</td>
<td>D638 Type 4</td>
</tr>
<tr>
<td>Puncture Resistance</td>
<td>43 Kg</td>
<td>FTMS 101B</td>
</tr>
<tr>
<td>Resistance to Hydrostatic Head</td>
<td>46m</td>
<td>ASTM D751 Method A</td>
</tr>
<tr>
<td>Resistance to micro organisms</td>
<td>Unaffected</td>
<td></td>
</tr>
</tbody>
</table>

Please contact our Technical department should you require further information or project specific application details

SCP CONCRETE SEALING TECHNOLOGY LTD
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Email: info@scpwaterproofing.co.uk Web: scpwaterproofing.co.uk
**Description**

To complement the Dual Seal waterproofing system, SCP provide the following accessories to be used in conjunction with Dual Seal Membrane. Please contact our technical sales office for further information regarding their use and installation.

**Dual Seal Mastic**

A troweled mastic comprising of a special formulation of expandable minerals and elastomeric compound which expands and stiffens in the presence of water to form an impervious barrier to water penetration. Used for filling voids, tie holes and honeycombing. May be used to form a 45° fillet at transitions.

**Dual Seal Bentonite Granules**

Dual Seal Bentonite Granules are a premium grade high swelling bentonite granule that reacts in the presence of water to form an impervious waterproof gel. Used for forming 40mm x 40mm fillets at all horizontal and vertical transitions.

**Bitusheet XL Tape**

Bitusheet Self Adhesive Reinforcing Tape comprises of a cross laminated high density polyethylene sheet coated with a bitumen polymer adhesive and is faced with a release sheet. Used as an overband tape for sealing lap joints to Dual Seal Membrane.

**Preformed Corners and Top Hats**

Manufactured from a high performance polymeric material. SCP provide a range of preformed corners and Top Hats to suit junctions and pipe penetrations which are easily sealed to the Dual Seal Membrane System using Bitusheet Double Sided Tape.

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Dual Seal Membrane Application Details

Description

Dual Seal Membranes is a unique self-swelling self-healing tanking membrane designed for use as a cold applied flexible membrane that provides a barrier to the passage of water in all underground structures.

50mm min lap joints to membrane sealed using 100mm Bitusheet Tape.

Dual Seal Waterstop mechanically fixed to base at 300mm centres.

Dual Seal membrane installed with Bentonite (grey) face to underside.

50mm min lap joints to membrane sealed using 100mm Bitusheet Tape.

Dual Seal Membrane installation to sheet piling. Dual Seal installed with Bentonite (grey) face to underside.

Please contact our Technical department should you require further information or project specific application details.

Dual Seal Membrane laid with Bentonite (grey) face to underside.

Dual Seal Membrane installed with Bentonite (grey) face toward concrete.