**DESCRIPTION**

The product has been designed to be a medium stiff elastic Undersleeper pad made from a blend of polymers, with a load spreading ballast protection layer on one side and a Geotextile layer on the other side to allow direct anchoring into new concrete sleepers.

**APPLICATION**

Ballasted track and/or switches, track stabilisation, track quality improvement and ballast anti-attrition protection.

Suitable for main line applications.

**TYPICAL PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Test</th>
<th>Method</th>
<th>Conditions</th>
<th>Data</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength (Core Material)</td>
<td>ISO 37</td>
<td></td>
<td>8.0</td>
<td>N/mm²</td>
</tr>
<tr>
<td>Electrical Resistance</td>
<td>BS903 C2</td>
<td>500v dc</td>
<td>10¹²</td>
<td>Ω.cm</td>
</tr>
<tr>
<td>Tear Strength (Geofelt Material)</td>
<td></td>
<td></td>
<td>70</td>
<td>N/mm</td>
</tr>
<tr>
<td>Pull-out Strength (Pad to Sleeper)</td>
<td></td>
<td></td>
<td>0.7</td>
<td>N/mm²</td>
</tr>
<tr>
<td>Static Bedding Modulus, C_{stat}</td>
<td>prEN 16730</td>
<td>250 x 250 mm sample</td>
<td>0.207</td>
<td>N/mm³</td>
</tr>
<tr>
<td>Dynamic Bedding Modulus, C_{dyn}</td>
<td>prEN 16730</td>
<td>250 x 250 mm sample, 4Hz</td>
<td>0.250</td>
<td>N/mm³</td>
</tr>
</tbody>
</table>

**CONSTRUCTION:**

Core material: FC584, nominal thickness 4.5mm
Protection layer: 1.5mm reinforced polypropylene Geofelt
Anchoring layer: 1.5mm reinforced polypropylene Geofelt

**NOMINAL THICKNESS:**

Approx. 7.5mm

**WEIGHT:**

Approx. 8.0 kg/m²

**FORM OF SUPPLY:**

Two half-pads per sleeper

**FITTING TO SLEEPER:**

Full surface bonding via the anchoring layer directly into the concrete sleeper.

Information in this document and otherwise supplied to users is based on our general experiences and is given in good faith but, because of particular factors which are outside our knowledge and control and affect the use of products, no warranty is given or implied with respect to such information. Specifications are subject to change without notice. Statements of operating limits quoted in this document are not an indication that these values can be simultaneously applied. A safe handling data sheet on this material is available on request.
LOAD/DEFLECTION CHARACTERISTICS

250 x 250 sample mounted on concrete block, tested on a ballast plate according to prEN 16730. Quoted stiffnesses are taken between 0.01 and 0.1 N/mm².

---

Information in this document and otherwise supplied to users is based on our general experiences and is given in good faith but, because of particular factors which are outside our knowledge and control and affect the use of products, no warranty is given or implied with respect to such information. Specifications are subject to change without notice. Statements of operating limits quoted in this document are not an indication that these values can be simultaneously applied. A safe handling data sheet on this material is available on request.