Earthwool® OmniFit Slab
For multiple applications

Description
Earthwool OmniFit Slab is a multi-purpose, flexible, non-combustible, glass mineral wool slab, engineered for additional robustness, and specifically designed for installation by friction fitting.

Application
Earthwool OmniFit Slab is typically used for the thermal and acoustic insulation of a wide variety of constructions such as timber and metal stud partitions, timber frame walls, between rafters and timber floors.

Standards

Durability
Earthwool OmniFit Slab is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Performance

Thermal
Earthwool OmniFit Slab has a thermal conductivity of 0.035W/mK.

Fire
Earthwool OmniFit Slab is classified as Euroclass A1 to BS EN 13501-1.

Acoustic
Earthwool OmniFit Slab has exceptional acoustic absorption properties.

Benefits
• High level of thermal performance
• Friction fits between studs, joists and rafters
• Provides excellent thermal and acoustic performance
Earthwool® OmniFit Slab

Vapour resistivity
Earthwool OmniFit Slab offers negligible resistance to the passage of water vapour and has a water vapour resistivity of 5.00MNs/g.m.

Environmental
Earthwool OmniFit Slab represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

Handling and storage
Earthwool OmniFit Slab is easy to handle and install, being lightweight and easily cut to size, where necessary. Earthwool OmniFit Slab is supplied in polythene packs which are designed for short term protection only. For longer term protection on site, the product should either be stored indoors, or under cover and off the ground. Earthwool OmniFit Slab should not be left permanently exposed to the elements.

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Thermal conductivity (W/mK)</th>
<th>Thermal resistance (m²K/W)</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Slabs per pack</th>
<th>Area per pack (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>140</td>
<td>0.035</td>
<td>4.00</td>
<td>1200</td>
<td>600</td>
<td>4</td>
<td>2.88</td>
</tr>
<tr>
<td>100</td>
<td>0.035</td>
<td>2.85</td>
<td>1200</td>
<td>600</td>
<td>6</td>
<td>4.32</td>
</tr>
<tr>
<td>90</td>
<td>0.035</td>
<td>2.55</td>
<td>1200</td>
<td>600</td>
<td>6</td>
<td>4.32</td>
</tr>
<tr>
<td>70</td>
<td>0.035</td>
<td>2.00</td>
<td>1200</td>
<td>600</td>
<td>8</td>
<td>5.76</td>
</tr>
<tr>
<td>60</td>
<td>0.035</td>
<td>1.70</td>
<td>1200</td>
<td>600</td>
<td>12</td>
<td>8.64</td>
</tr>
<tr>
<td>50</td>
<td>0.035</td>
<td>1.40</td>
<td>1200</td>
<td>600</td>
<td>12</td>
<td>8.64</td>
</tr>
<tr>
<td>140</td>
<td>0.035</td>
<td>4.00</td>
<td>1200</td>
<td>400</td>
<td>4</td>
<td>1.92</td>
</tr>
<tr>
<td>100</td>
<td>0.035</td>
<td>2.85</td>
<td>1200</td>
<td>400</td>
<td>6</td>
<td>2.88</td>
</tr>
<tr>
<td>50</td>
<td>0.035</td>
<td>1.40</td>
<td>1200</td>
<td>400</td>
<td>12</td>
<td>5.76</td>
</tr>
</tbody>
</table>

All dimensions are nominal

Knauf Insulation mineral wool products made with ECOSE® Technology benefit from a formaldehyde-free binder, which is up to 70% less energy intensive than traditional binders and is made from rapidly renewable bio-based materials instead of petroleum-based chemicals. The technology has been developed for Knauf Insulation’s glass and rock mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE Technology contain no dye or artificial colours – the colour is completely natural.

Knauf Insulation Ltd
PO Box 10
Stafford Road
St Helens
Merseyside
WA10 3NS

Customer Service (sales)
Tel: 0844 800 0135

Technical Support Team
Tel: 01744 766 666

Literature
Tel: 08700 668 660

For more information please visit www.knaufinsulation.co.uk

All rights reserved, including those of photomechanical reproduction and storage in electronic media. Commercial use of the processes and work activities presented in this document is not permitted. Extreme caution was observed when putting together the information, texts and illustrations in this document. Nevertheless, errors cannot quite be ruled out. The publisher and editors cannot assume legal responsibility or any liability whatever for incorrect information and the consequences thereof. The publisher and editors will be grateful for improvement suggestions and details of errors pointed out.