Earthwool® Building slab is a range of rigid and semi-rigid, resilient, non-combustible rock mineral wool slabs, available in 60 to 100kg/m³ densities, bonded with ECOSE® Technology, a revolutionary binder based on rapidly renewable materials instead of petro-based chemicals. Earthwool® Building slab is used for a wide range of thermal and acoustic insulation applications in buildings.

**PERFORMANCE**

<table>
<thead>
<tr>
<th>Thermal</th>
<th>The thermal conductivity of Earthwool® Building slab varies with density from 0.037 to 0.038 W/mK.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire</td>
<td>Earthwool® Building slab is classified as Euroclass A1 to BS EN 13501-1.</td>
</tr>
<tr>
<td>Moisture Resistance</td>
<td>Earthwool® Building slab are non-wicking when tested to BS 2972:1989:Section 12.</td>
</tr>
<tr>
<td>Water Vapour Absorption</td>
<td>Earthwool® Building slab offers negligible resistance to the passage of water vapour and has a water vapour resistivity of 5.00 MNs/g.m.</td>
</tr>
</tbody>
</table>

**BENEFITS**

- Range of densities and thicknesses
- Non-combustible
- Excellent thermal and acoustic properties

**CERTIFICATION**
EARTHWOOL® BUILDING SLAB

ADDITIONAL INFORMATION

Specification Guide
The insulation shall be Earthwool® Building slab *kg/m³, *mm thick, AS/NZS 4859.1:2002 compliant. The product will be non-combustible, CFC/HCFC free, zero ODP and with ECOSE® Technology. It will be manufactured under Quality Assurance Standards ISO 9001:2008 and ISO 14001:2004 by Knauf Insulation and shall be installed in accordance with the instructions issued by them.

*architect to insert details of products used.

Standards

Durability
Earthwool® Building slab is odourless, rot proof, non-hygroscopic, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Fire Performance
Earthwool® Building slab is classified as Euroclass A1 to BS EN 13505-1, non-combustible to BS 476:Part 4:1970 (1984) and, Class 1 Surface Spread of Flame to BS 476:Part 7:1997 and Class ‘O’ to the Building Regulations.

Moisture Resistance
Earthwool® Building slab is non-wicking when tested to BS 2972:1989:Section 1.2. When exposed to 90% relative humidity at 20°C, Earthwool® Building slab absorb less than 0.004% of moisture.

Vapour Resistivity
Earthwool® Building slab offers negligible resistance to the passage of water vapour and has a water vapour resistivity of 5.00MNs/g.m.

Environmental
Earthwool® Building slab represents no known threat to the environment and have zero Ozone Depletion Potential and zero Global Warming Potential.

Handling and Storage
Earthwool® Building slab is easy to handle, install and cut to size, where necessary. Earthwool® Building slab is supplied in polythene packs which are designed for short term protection only. For longer term protection on site, the products should either be stored indoors, or under cover and off the ground. Earthwool® Building slab should not be left permanently exposed to the elements.

Superior Service and Support
• Knauf Insulation is totally focused on providing first class customer service, producing high quality product and ‘on time in full’ deliveries.
• Knauf Insulation supports a professional network of distributors and resellers in order to service a growing insulation market.
• Knauf Insulation is committed to providing a comprehensive range of relevant sales and marketing literature and web-based technical information to support specifiers and customers.
Earthwool® products made with ECOSE® Technology benefit from a no added formaldehyde binder, which is less energy intensive than traditional binders and is based on rapidly renewable, biobased materials instead of petro-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. Earthwool® products made with ECOSE® Technology contain no added dyes or artificial colours.