Thermalrock® S (Slab)

General Product Information
ROCKWOOL stone wool products are made of basalt, a volcanic stone, which is the world’s most abundant natural resource.

ROCKWOOL stone wool products are non-combustible with a melting point more than 1000°C. They are particularly suitable for thermal insulation, fire protection and sound reduction or absorption.

ROCKWOOL stone wool is inorganic and contains no nutritious substance. Therefore it will not be attacked by microorganisms. Stone wool will not rot and does not attract vermin.

No CFCs, HFCs, HCFCs, or asbestos are used in the manufacture of ROCKWOOL stone wool products.

Facings
Thermalrock S products are available in plain, aluminium foil facings and one-sided or two sided glass tissue facings.

Packaging and Storage
Thermalrock S is shrink-wrapped in polyethylene sheets for ease of handling, transportation, storage and identification. Products should be stored indoors or under a waterproof covering.

Applications
Thermalrock S is manufactured in a wide variety of thicknesses and densities to suit most requirements, suitable for general application in residential, commercial and industrial buildings.
Disclaimer: The information contained in this data sheet is believed to be correct at the date of publication. ROCKWOOL does not accept responsibility for the consequences of using Thermalrock S in applications different from those described above.

### Dimension

<table>
<thead>
<tr>
<th>Nominal Density (kg/m³)</th>
<th>40 - 140</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size: L x W (mm)*</td>
<td>1200 x 600</td>
</tr>
<tr>
<td>Thickness (mm)**</td>
<td>50 75 100</td>
</tr>
</tbody>
</table>

Note: Please contact your local representatives for sizes not stated in the data sheet.

### Technical Parameters

<table>
<thead>
<tr>
<th>Nominal Density (kg/m³)</th>
<th>S40</th>
<th>S60</th>
<th>S80</th>
<th>S100</th>
<th>S120</th>
<th>S140</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>40</td>
<td>60</td>
<td>80</td>
<td>100</td>
<td>120</td>
<td>140</td>
<td></td>
</tr>
<tr>
<td>Thermal Conductivity (W/mK)*</td>
<td>0.036</td>
<td>0.034</td>
<td>0.034</td>
<td>0.034</td>
<td>0.034</td>
<td>0.034</td>
<td>ASTM C518</td>
</tr>
<tr>
<td>Sound Absorption Coefficient (NRC) at 50mm thickness</td>
<td>1.00</td>
<td>1.05</td>
<td>1.05</td>
<td>1.05</td>
<td>1.05</td>
<td>0.90</td>
<td>ISO 354</td>
</tr>
<tr>
<td>Fire Performance</td>
<td>Non-combustible / Euro Class A1 (without facing)</td>
<td>EN 13501-1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Vapor Absorption (Moisture Resistance)</td>
<td>&lt; 0.04 %, by volume</td>
<td>ASTM C1104/C1104M</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Absorption (Partial Immersion)</td>
<td>&lt; 0.5 kg/m²</td>
<td>EN 1609</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

* Thermal conductivity is tested at mean temperature of 20°C in accordance with ASTM C518 by external accredited laboratory. It is recommended to have a safety factor of 20% as design value.

* For UL approved products, please contact our local representative.

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