ECOPHIT® L and LN
Graphite lightweight board made from expanded natural graphite

ECOPHIT L lightweight board is a homogeneous, binder-free material made from expanded natural graphite. It has a good thermal and electrical conductivity, is lightweight, compressible, chemical resistant and non-flammable. Pipe meanders can be pressed into the ECOPHIT L lightweight board. The graphite’s high thermal conductivity enables e.g. cooling ceiling systems equipped with ECOPHIT L lightweight boards to provide excellent temperature distribution across the surface. ECOPHIT L lightweight boards are available in various dimensions and area weights and are supplied in sheet form. Low contents of halogens and sulphur of less than 200 ppm each avoid corrosion caused by impurities as good as possible.

Material data of ECOPHIT® L graphite lightweight board

<table>
<thead>
<tr>
<th>Typical properties</th>
<th>Units</th>
<th>L10/750</th>
<th>L15/750</th>
<th>L15/750</th>
<th>L15/1000</th>
<th>L20/1000</th>
<th>L20/1000</th>
<th>L20/1500</th>
<th>L35/1500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>mm</td>
<td>10</td>
<td>15</td>
<td>15</td>
<td>15</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>35</td>
</tr>
<tr>
<td>Length</td>
<td>mm</td>
<td>600 – 1100</td>
<td>600 – 1100</td>
<td>400 – 3000</td>
<td>400 – 3000</td>
<td>600 – 1100</td>
<td>400 – 3000</td>
<td>600 – 1100</td>
<td>600 – 1100</td>
</tr>
<tr>
<td>Area weight</td>
<td>g/m²</td>
<td>750</td>
<td>750</td>
<td>750</td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
<td>1500</td>
<td>1500</td>
</tr>
<tr>
<td>Density</td>
<td>g/cm³</td>
<td>0.075</td>
<td>0.05</td>
<td>0.05</td>
<td>0.087</td>
<td>0.05</td>
<td>0.05</td>
<td>0.075</td>
<td>0.043</td>
</tr>
<tr>
<td>Carbon content</td>
<td>%</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
</tr>
</tbody>
</table>

Other dimensions and combinations on request. Please contact us.
ECOPHIT LN laminated graphite lightweight board is an ECOPHIT L board that has been laminated to a fleece (non-woven). As a result, the lightweight board is more stable and easier to handle.

Material data of ECOPHIT® LN laminated graphite lightweight board

<table>
<thead>
<tr>
<th>Typical properties*</th>
<th>Units</th>
<th>LN15/750</th>
<th>LN15/750</th>
<th>LN15/750</th>
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<tr>
<td>Thickness</td>
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<td>15</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Length</td>
<td>mm</td>
<td>400 – 3000</td>
<td>400 – 3000</td>
<td>400 – 3000</td>
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<tr>
<td>Width</td>
<td>mm</td>
<td>800 – 830</td>
<td>1000 – 1040</td>
<td>1250 – 1290</td>
</tr>
<tr>
<td>Area weight</td>
<td>g/m²</td>
<td>750</td>
<td>750</td>
<td>750</td>
</tr>
<tr>
<td>Density</td>
<td>g/cm³</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
</tr>
<tr>
<td>Carbon content</td>
<td>%</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
</tr>
</tbody>
</table>

* referring to graphite sheet (without fleece)

Other dimensions and combinations on request. Please contact us.