DHM Insulation Support

Fire-protection-tested metal insulation support for fire resistant insulation boards.

Building Materials
✓ Concrete
✓ Hollow blocks made from lightweight concrete
✓ Vertically perforated brick
✓ Perforated sand-lime brick
✓ Solid sand-lime brick
✓ Natural stone with dense structure
✓ Aerated concrete
✓ Solid brick made from lightweight concrete
✓ Solid brick

Detailed information on building materials can be found in the registration document

Applications
To fix fire-resistant soft or pressure resistant insulating materials, such as:
✓ Mineral / glass wool
✓ Light building boards made of wood wool
✓ Foam glass tiles

Also suitable for:
✓ Polystyrene Boards
✓ Coir Matting

Fire
✓ Fire Resistance Classification R120
✓ Guarantees a secure fixing of fire resistant insulation
DHM Insulation Support

Installation Parameters

<table>
<thead>
<tr>
<th></th>
<th>DHM 40 A2</th>
<th>DHM 70 A2</th>
<th>DHM 100 A2</th>
<th>DHM 130 A2</th>
<th>DHM 160 A2</th>
<th>DHM 210 A2</th>
<th>DHM 260 A2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Drill Bit Diameter</td>
<td>8mm</td>
<td></td>
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<tr>
<td>Min. Drill Hole Depth</td>
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<td>50mm</td>
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<tr>
<td>Embedment Depth [hef]</td>
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<tr>
<td>Min. Edge Distance</td>
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<td>60mm</td>
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<tr>
<td>Min. Spacing</td>
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<td></td>
<td>120mm</td>
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<tr>
<td>Max. Insulation Thickness</td>
<td>40mm</td>
<td>70mm</td>
<td>100mm</td>
<td>130mm</td>
<td>160mm</td>
<td>210mm</td>
<td>260mm</td>
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</table>

Recommended Tensile Loads

<table>
<thead>
<tr>
<th>Material</th>
<th>DHM 40 A2</th>
<th>DHM 70 A2</th>
<th>DHM 100 A2</th>
<th>DHM 130 A2</th>
<th>DHM 160 A2</th>
<th>DHM 210 A2</th>
<th>DHM 260 A2</th>
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<tbody>
<tr>
<td>Concrete &gt;=C12/15</td>
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<tr>
<td>Solid Brick</td>
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<td></td>
<td>0.25kN*</td>
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<td>Aerated Concrete</td>
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<td></td>
<td></td>
<td>0.1kN</td>
<td></td>
</tr>
</tbody>
</table>

Note: DHM Insulation supports should be spaced in accordance with the Project Structural Engineers recommendations to ensure the recommended loads above are not exceeded.

*0.07kN in cracked concrete

A minimum of 4No DHM insulation supports per square metre are required, however, local conditions and insulation material variations may require a greater number of supports.

Where non rigid insulation is supported, an additional DTM 80 insulation disc should be used in conjunction with each anchor.

See DIBT Approval No. Z-21-8-2057 for full design parameters

Installation Instruction

Please refer to the manufacturer’s website - www.fischer.co.uk

- The insulation support is set in push-through installation using a hammer
- The spring steel expands when hammered into the base material
- Use the DTM 80 plate (available separately) to fix soft insulating materials