FireStop solution for temporary & permanent service penetrations in both vertical and horizontal applications

APPLICATIONS

▪ Metal Pipes
▪ Cables / Cable trays
▪ Electrical trunking
▪ Electrical trunking - for conformance with the 17th Edition of the IEE Wiring Regulations. (BS 7671:2008)

APPLICATION EXAMPLES:

▪ Service penetrations like steel pipes, copper pipes, cable bundles, cable trays and electrical trunking through fire rated walls / floors.

ADVANTAGES

▪ Approved as permanent fire barrier
▪ Reusable
▪ Dry installation
▪ Quick and easy installation
▪ No shelf life
▪ Moisture resistant

DESCRIPTION

▪ fischer intumescent pillows - FiP are an intumescent graphite and mineral fibre blend covered in a glass fibre PVC coated cloth bag.
▪ FiP is suitable for applications where temporary and permanent fire barriers are required.
▪ Tested to BS 476: Part 20 and BS EN 1366-3, FiP is also ETA approved and CE Marked. FiP can provide up to 2 hours of fire protection in both vertical and horizontal, multi or mixed service penetrations.

INSTALLATION

Note: Firestop material must be installed in accordance with detailed instructions or the approved system:

1. Clean all contact surfaces so they are free from loose debris and contaminants. Ensure services are sufficiently supported as per approved system or local building code.
2. Shake the pillows to make the infill material uniform before installation.
3. Push the pillow into the hole so that the longest dimension spans across the wall. If installing in floor, mechanically fix galvanised steel mesh 50 x 50 x 5mm to the underside of the opening with a 100mm overlap of the floor slab.
4. Pack the pillows in a brick bond fashion, to ensure the joints between the pillows are staggered. Use small size pillows in between to pack the hole tight against the edges.
5. For electrical trunking, remove the lid and install a pillow inside so it aligns with the depth of the wall. Replace the lid on the electrical trunking.

Installation in walls

Installation in floors
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order No.</th>
<th>Dimensions</th>
<th>Qty. Per Box</th>
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</thead>
<tbody>
<tr>
<td>FiP / S</td>
<td>516960</td>
<td>330mm x 50mm x 20mm</td>
<td>50</td>
</tr>
<tr>
<td>FiP/Std</td>
<td>533890</td>
<td>330mm x 100mm x 20mm</td>
<td>25</td>
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<tr>
<td>FiP / M</td>
<td>516959</td>
<td>330mm x 200mm x 25mm</td>
<td>50</td>
</tr>
<tr>
<td>FiP / L</td>
<td>516958</td>
<td>330mm x 200mm x 45mm</td>
<td>25</td>
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</tbody>
</table>

**TECHNICAL DATA**

- **State**: Solid
- **Colour**: Black
- **Odour**: Odourless
- **Weight per Pillow**: FiP/S - 80g, FiP/Std - 120g, FiP/M - 230g, FiP/L - 420g
- **Volumetric expansion**: 3 times
- **Significant expansion occurs at temperature**: >140°C
- **Remain flexible between**: -20°C to 130°C
- **European Technical Approval**: ETA 14-0380
- **CE Mark**: 1121-CPR-JA5046

**ESTIMATION QUANTITIES**

<table>
<thead>
<tr>
<th>Width mm</th>
<th>Size → Seal type</th>
<th>Length mm</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Large 100</td>
<td>Medium 300</td>
</tr>
<tr>
<td>200 Wall</td>
<td>3 6 7 13 12 22 17 31 21 39 24</td>
<td>47</td>
</tr>
<tr>
<td>200 Floor</td>
<td>2 3 4 7 6 12 9 17 11 22 12</td>
<td>27</td>
</tr>
<tr>
<td>400 Wall</td>
<td>5 9 14 26 24 44 33 61 42 78 47</td>
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<tr>
<td>400 Floor</td>
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<tr>
<td>600 Wall</td>
<td>7 13 21 39 35 65 49 91 63 117 70</td>
<td>143</td>
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<tr>
<td>600 Floor</td>
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<tr>
<td>800 Wall</td>
<td>9 18 28 52 47 87 66 122 84 157 94</td>
<td>192</td>
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<tr>
<td>800 Floor</td>
<td>5 10 15 29 24 48 34 67 33 87 48</td>
<td>107</td>
</tr>
<tr>
<td>1000 Wall</td>
<td>10 22 35 65 59 109 82 152 105 196 117</td>
<td>217</td>
</tr>
<tr>
<td>1000 Floor</td>
<td>6 12 18 36 30 60 42 84 54 108 60</td>
<td>120</td>
</tr>
</tbody>
</table>

**ADDITIONAL INFORMATION**

Note: Please refer to MSDS for further information

**Recommendations**
1. Can be used as temporary or permanent seal
2. Confirms to requirement of BS 7671 - Section: 527-02-02
3. Can help to maintain sound reduction index of partition

**Storage**
1. Store in dry area above the ground
2. Store away from heat sources