TENMAT’s Firefly 109+ Vent Duct Fire Sleeve LPs (Low Profile) provide up to 120 minutes’ fire resistance for all common PVC ventilation ducts. The Low Profile Vent Duct Fire Sleeves offer industry leading fire performance with low material thickness through the use of TENMAT’s expertise in high expansion intumescent technology.

The low profile design allows tight fitting against the ceiling soffit without the need to remove the top edge, aided by the compressible nature of the FIREFLY 109 intumescent material. The product can be slit to allow retro fitting over duct work and the unique vacuum formed shape ensures that the product expands and seals the ducting in the event of a fire without the need for any additional metal cage or sleeving.

Key Features:
- Up to 120 minutes Fire Rated
- Tested in Internal & External Walls
- CE Marked
- Low Profile design
- No metal sleeving or boxing out required
- Approved for plasterboard partitions and ablative coated fire batts

Examples of Applications & Approvals

Independently Third Party Assessed:
- 30 Minute Partitions
- 60 Minute Partitions
- Single and Double Board Systems
- Single Layer Ablative Coated Fire Batt

CE MARK Approved:
- 3rd Party Assessed and Audited

BS EN 1366-3 Fire Tested
- Uncapped/Uncapped tested as required for ventilation systems

Fire Tested and Assessed for all common sizes of ducting

<table>
<thead>
<tr>
<th>Duct Size</th>
<th>Nominal Thickness</th>
<th>Nominal External Width/Diameter</th>
<th>Nominal External Height</th>
<th>Length</th>
<th>Fire Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>110x54 mm</td>
<td>10-15 mm</td>
<td>134mm</td>
<td>83mm</td>
<td>180 mm*</td>
<td>Up to EI120</td>
</tr>
<tr>
<td>204x60 mm</td>
<td>10-15 mm</td>
<td>228mm</td>
<td>89mm</td>
<td>180 mm</td>
<td>Up to EI120</td>
</tr>
<tr>
<td>204x60 mm</td>
<td>10-15 mm</td>
<td>228mm</td>
<td>89mm</td>
<td>360 mm</td>
<td>Up to EI120</td>
</tr>
<tr>
<td>220x90 mm</td>
<td>10-15 mm</td>
<td>244mm</td>
<td>124mm</td>
<td>180 mm</td>
<td>Up to EI120</td>
</tr>
<tr>
<td>220x90 mm</td>
<td>10-15 mm</td>
<td>244mm</td>
<td>124mm</td>
<td>360 mm</td>
<td>Up to EI120</td>
</tr>
<tr>
<td>100 mm (103 mm)</td>
<td>15 mm</td>
<td>134mm</td>
<td>-</td>
<td>180 mm</td>
<td>Up to EI120</td>
</tr>
<tr>
<td>125 mm (127 mm)</td>
<td>15 mm</td>
<td>160mm</td>
<td>-</td>
<td>280 mm</td>
<td>Up to EI120</td>
</tr>
<tr>
<td>150 mm (155 mm)</td>
<td>20 mm</td>
<td>200mm</td>
<td>-</td>
<td>280 mm</td>
<td>Up to EI120</td>
</tr>
</tbody>
</table>

All dimensions given are nominal. To ensure required friction fit within the substrate, the sleeve should be measured on site before cutting holes. *For longer lengths, please contact TENMAT.
**Example Approved Applications**

**TENMAT**'s Vent Duct Fire Sleeve LP is approved for a wide range of applications. All details for approved applications can be seen in the ETA and/or assessment reports which are available on request.

For details of further applications please contact **TENMAT**.

**General Fitting Instructions**

For detailed fitting instructions for various applications please contact **TENMAT**.

- Installation requirements detailed in the fire test evidence must be followed in addition to below:
- Use the Fire Sleeve as a template when cutting the plasterboard to provide a snug fit around the Fire Sleeve
- Make a slit along sleeve length to allow fitting around pre-installed ducts

- Fit sleeve around duct
- Slit should be resealed with Aluminium Foil Repair Tape provided
- Slide Fire Sleeve until central within wall

- The Fire Sleeve must protrude each side of the wall by min 25mm (partitions)/40mm (single fire batts)/75mm (for 125 and 150mm ducts)
- For protrusion details when used in External Walls, please contact **TENMAT**
- Fire Sleeves cannot be joined to increase the length. Longer versions are available from **TENMAT**
- Plasterboard should be a snug fit, however any gaps (up to 5mm) should be sealed with intumescent sealant

Tested in External Walls—contact **TENMAT** for specific details.