



FR Pillows

Temporary and / or Permanent Sealing of
Penetration Service Openings

Technical Data Sheet

Product Description

Abesco FR Pillows are made from non-combustible fillers contained within high grade low slip polythene and glass fibre bags. FR Pillows expand slightly when exposed to elevated temperatures, thus sealing around services passing through fire rated walls and floors.

They are provided in 3 sizes, to allow the most economical solution to various opening sizes. They are particularly suitable for sealing around restricted access services where frequent upgrades of these services are required and for use in temporary service openings (such as construction sites). They are also ideal for sealing inside metal trunking. They are unaffected by moisture therefore are suitable for use in damp environments. Please note that FR Pillows should be installed within solid constructions such as block /brick work or concrete. FR Pillows will provide up to 4 hours fire resistance.

Size	Dimensions*
Small	250 x 100 x 40mm
Medium	250 x 200 x 50mm
Large	250 x 250 x 50mm

* All sizes are approximates

Fire Performance Table

Penetration Details	Insulation	Integrity
< 20 mm	240 mins	240 mins
> 20 mm	60 mins	180 mins
No services	240 mins	240 mins

Test Standards

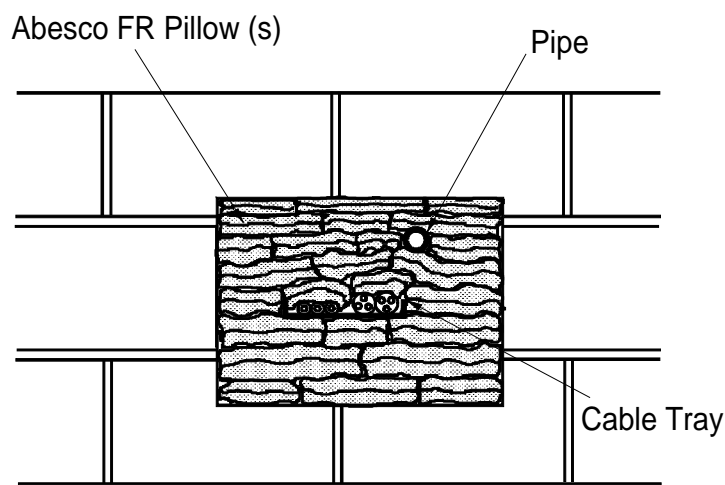
Tested in accordance with the methodology and criteria described in:

■ BS 476 part 20:1987

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Typical Detail



Installation Instructions

Wall Openings

- 1 Remove all loose debris from opening and ensure services are mechanically secure.
- 2 Insert FR Pillows from bottom, ensuring pillows are laid lengthways (i.e. longest dimension) through the wall. The joints between the pillows should be staggered for each layer.
- 3 The number of pillows will depend on the size of opening and the % volume of services present (please refer to Abesco for usage calculator).

Floor Openings

- 1 Remove all loose debris from opening and ensure services are mechanically secure.
- 2 Install 12 gauge wire mesh into the opening which should be fitted around services and mechanically fixed within the aperture.
- 3 A minimum of 2 layers should be installed into the aperture above the wire mesh. The joints of each layer should be staggered as above.