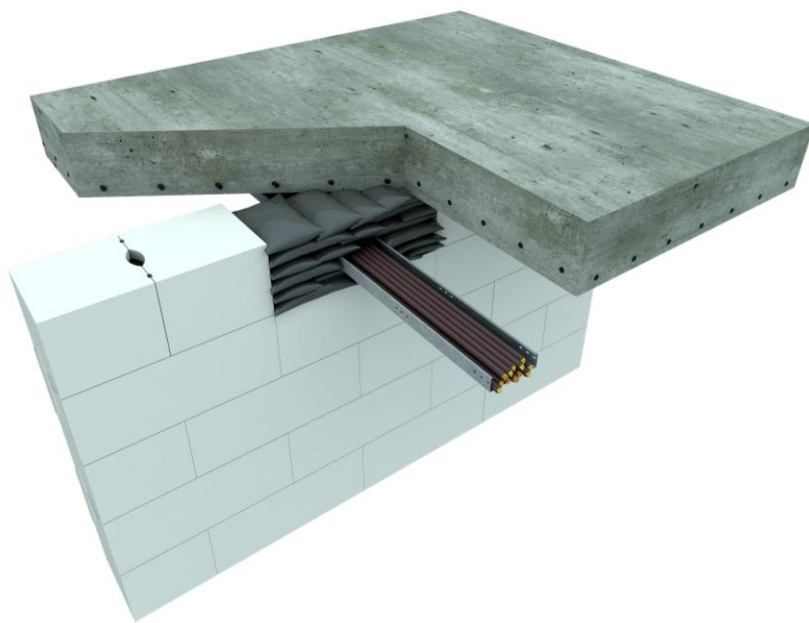


# PFC Corofil Intumescent Pillows



## Application

PFC Corofil Intumescent Pillows can be used as a temporary and permanent firestopping system where steel trunking and cable trays penetrate a masonry, concrete or block fire resisting wall. They can also be used in larger apertures in fire resisting rigid walls. The intumescent pillows are located centrally within the wall construction and held in place by their own weight and induced friction.

## General Benefits

- Easy to remove and reinstate whilst changing or adding services
- Suitable for use within steel trunking and cable trays installed in block, masonry or concrete walls.
- Suitable for installation around steel pipes and cables directly into masonry walls

## Description

PFC Corofil Intumescent Pillows consist of a high temperature resistant fabric, formed into a pillow, which contains a combination of components including an intumescent material. Under fire conditions, the pillows expand to form a robust seal around service penetrations. Pillows are available in a range of sizes.

## FIRE RATINGS

Tested to  
BS 476:Part 20  
BS EN:1366-3



Fire Rating

## TECHNICAL INFORMATION

Available from our technical sales office.

Email [tech@pfc-corofil.com](mailto:tech@pfc-corofil.com) for:

- Safety Data Sheet (SDPILL)
- Installation Instructions (MSPILL)
- Product Certification



Certificate number: FS453/09



P12 345  
V90 360





# PFC Corofil Intumescent Pillows

Fire rating when installed in an aperture in a masonry, concrete or blockwork wall

Integrity performance (minutes)	Insulation performance excluding penetrations (minutes)	Maximum aperture dimensions (mm x mm)
120	120	850 x 850
240	120	600 x 600

## Cable trays

Perforated steel sheet cable trays formed from nominally 1mm – 1.5mm thick and maximum 300mm wide can penetrate the pillow barrier. Cables may be laid in a single layer or maximum 50mm diameter bundle. More than one bundle can be in the cable tray, but should be separated by a minimum 40mm thick pillow. Pillows shall be in tight contact with cables/cable bundles and aligned as with those in the main barrier. Where cables penetrate through the barrier, ensure the independent supports are fixed to the trays and the cables are clamped securely to the cable trays.

## Steel trunking

Maximum 150mm x 150mm steel trunking nominally 1mm – 1.5mm thick may penetrate the pillow barrier. Cables within the trunking can be laid as a single layer or layers. Or one bundle maximum 50mm diameter can be laid instead. There shall be a minimum 30mm of pillows between each layer of cables and between the cables and the wall of the trunking. There shall be a minimum 35mm of pillows around the bundle. Pillows shall be in tight contact with the cables, whether in layers or bundles and against all sides of the trunking and aligned as with those in the main barrier. The lid of the trunking should be cut to within 100mm of the pillow barrier to facilitate the installation of or access to the pillows within the trunking.

## Approved Cables

Multi core 'power' cables including copper conductors and sheathed with PVC, with or Without steel wire armour. Maximum outside diameter 25mm

Multi core signal cables, sheathed with PVC. Maximum outside diameter 11mm Cat5E or Cat 5 communication cables. Nominal 6mm outside diameter.

Fibre optic cables. Nominal 6mm outside diameter

## Estimating Quantities

Pillow Size	Approximate Number
300mm x 50mm x 35mm	660 per m <sup>2</sup> opening
300mm x 100mm x 35mm	330 per m <sup>2</sup> opening
300mm x 150mm x 35mm	220 per m <sup>2</sup> opening
300mm x 200mm x 35mm	165 per m <sup>2</sup> opening



*This data sheet shows the only applications the product has been tested in. Please ensure the product has been tested in, and is suitable for your application (see PFC Corofil terms and conditions 13.1.1).*

Please order from our technical sales office.

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