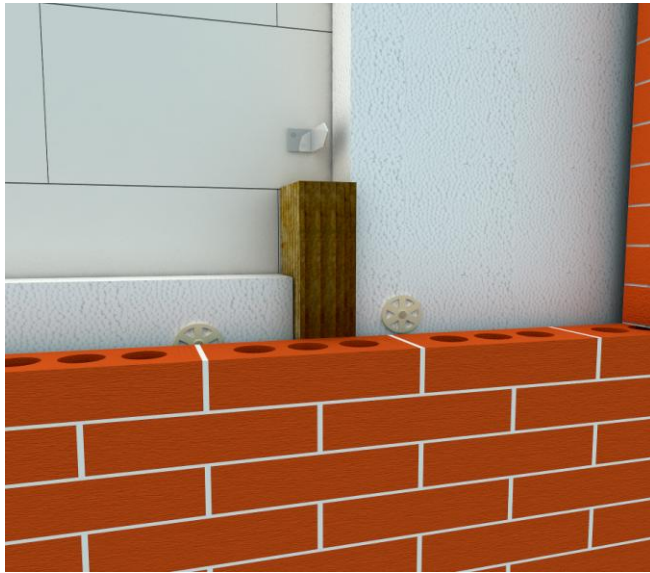




# PFC Corofil C450 Cavity Firestop



## Application

PFC Corofil C450 Cavity Firestop provides a full fill firestop, installed vertically or horizontally in fire resisting walls and floors. When installed against a masonry internal skin it is suitable for use with curtain walling and profiled cladding systems or within a masonry cavity wall construction. Tested in accordance with BS 476 Part 20:1987, PFC Corofil C450 Cavity Firestops provide up to 2 hours fire protection.

## General benefits:

- Improved cold smoke seal when used in conjunction with Fastight Coating or foil encapsulated.
- Improved acoustic performance when coated with Fastight Coating
- Third Party Certificated Product

## Description

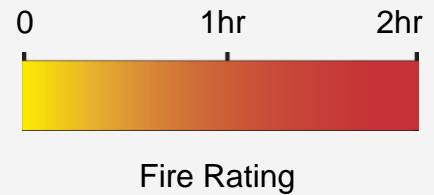
PFC Corofil C450 Cavity Firestop is a rock mineral fibre product supplied in one metre lengths and is cut by PFC Corofil to suit the overall cavity size. The thickness is supplied 10mm oversized for a compression fit and the depth of the barrier is dependent on the fire rating (see fire rating table).

For cavities in excess of 100mm wide, multipurpose brackets must be fitted to provide additional support (see MSC450 for installation instructions).

When installed against profiled cladding the corrugations of the cladding must be filled with PFC Corofil C144 Firestop Blocks bonded into position with Fastight Coating. It is recommended that a cladding rail is positioned as close as possible to the cavity barrier to restrict movement or expansion of the cladding or the curtain walling.

## FIRE RATINGS

Tested to the principles of BS 476:Parts 20 & 22:1987



## TECHNICAL INFORMATION

Available from our technical sales office.

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

- Safety Data Sheet (SDC450)
- Installation Instructions (MSC450)
- IFC Certificate (FS453/17)



*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).*





# PFC Corofil C450 Cavity Firestop

## Specification

Install PFC Corofil C450 Cavity Firestops to provide up to 2 hours fire protection in horizontal and vertical cavities. Installation to be fully in accordance with manufacturer's instructions (see MSC450).

### Fire Rating for vertical and horizontal applications in masonry or concrete supporting structures

Cavity Size	Orientation	Integrity	Insulation*
Up to 450mm	Vertical/Horizontal	120 mins	120 mins
451mm - 600mm	Vertical	120 mins	30 mins

### Fire rating for concrete floor slab construction and vertical profiled steel wall cladding

Cavity Size	Orientation	Integrity	Insulation*
Up to 450mm	Vertical/Horizontal	60	60

The integrity of the cavity firestop is dependent on the steel cladding adjacent to the firestop remaining in place and essentially stable for the full period of fire resistance

### Fire rating for concrete floor slab construction and vertical glazed steel framed elements

Cavity Size	Orientation	Integrity	Insulation*
Up to 450mm	Horizontal	60	60

### \*Insulation ratings may be reduced to 30 minutes if joints are included and adjacent to straps

The integrity of the cavity firestop is dependent on the Vertical glazing or steel cladding adjacent to the firestop remaining in place and essentially stable for the full period of the required fire resistance

## Acoustic

PFC Corofil C450 Cavity Firestop has been tested in a 140mm cavity with a reference wall (Rw = 58dB) giving a Weighted Sound Reduction Index (Rw) of 57dB when applied with Fastight Coating.

For further information on acoustic performance, please contact our technical sales office with details of:

- Size of cavity
- Construction and acoustic rating of wall or floor

## TECHNICAL INFORMATION

Please order from our technical sales office.

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