



Product Technical Data Sheet:  
**TDSCCFB**

**PFC Corofil Cavity Fire  
Barrier CCFB**

3rd Party Certification IFCC1726



**CAVITY  
BARRIERS**



## Technical Description of Product



PFC Corofil Cavity Fire Barrier CCFB is a full fill cavity fire barrier manufactured from a 100mm thick low density stone wool product installed between the inner and outer substrates of a masonry façade to reinstate the fire resistance performance of the cavity. The lighter density allows greater scope for compression when installing within brickwork cavities when using wet mortar.

PFC Corofil cavity Fire Barrier has been tested to EN1366-4:2021 and will provide up to 120 minutes integrity and 60 minutes insulation fire resistance performance (please see the tables on page 4 for the full fire resistance performance based on cavity widths and orientation).

### Intended Use

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PFC Corofil Cavity Fire Barrier CCFB is designed and tested for installation in both horizontal and vertical orientations within masonry cavities up to 300mm wide to reinstate the fire resistance performance of the cavity, whilst allowing greater scope for compression when installing in masonry cavities using wet mortar. It can also be installed vertically against an SFS construction with gypsum sheathing board.

PFC Corofil Cavity Fire Barrier has been tested for installation with a DPC if required.

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).

### Key Points

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- Tested to EN1366-4:2021
- Can be installed vertically against SFS with gypsum board in cavities up to 300mm
- Can be installed horizontal and vertically in masonry cavities up to 300mm
- Allows greater compression when installing in cavities with wet mortar

## Installation Instructions

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- Ensure surfaces are clean, dry and free from dirt, dust, mortar and other contaminants.
- Ensure the opening to be filled has been tested with and is suitable for the product being installed.
- Cut back any insulation fixed to the inner substrate prior to installation of the PFC Corofil Cavity Fire Barrier.
- The PFC Corofil Cavity Fire Barrier should be installed with a minimum 5mm compression.
- Any cutting of the PFC Corofil Cavity Fire Barrier on site to suit tolerances, shall be done accurately and kept to a minimum. Ensure that the minimum 5mm extra for the compression is maintained.
- For cavity widths up to 100mm compress the PFC Corofil Cavity Fire Barrier and push into the cavity.
- For cavity widths 101mm to 300mm, fix PFC Corofil Multipurpose Brackets to the substrate using 1no. non combustible steel screw minimum 4mm  $\varnothing$  x 40mm long (supplied by others) and position the leg of the brackets to the midpoint of the Cavity Fire Barrier. The brackets should be fixed 250mm from each end of each individual section of barrier and one fixed centrally between the two outer brackets.
- For gypsum board applications, fix PFC Corofil Multipurpose Brackets to the substrate using 1 no. interset hollow wall fixing M5 x 37mm with 9mm hole (supplied by others) and position the leg of the brackets to the midpoint of the Cavity Fire Barrier. The brackets should be fixed 250mm from each end of each individual section of barrier and one fixed centrally between the two outer brackets.
- For cement particle board applications, fix PFC Corofil Multipurpose Brackets to the substrate using 1 no. 6mm x 32mm coarse threaded steel screw suitable for the board (supplied by others) and position the leg of the brackets to the midpoint of the Cavity Fire Barrier. The brackets should be fixed 250mm from each end of each individual section of barrier and one fixed centrally between the two outer brackets.
- When cutting lengths to fit at the end of a run, install one bracket centrally in lengths up to 300mm, for lengths 301mm to 500mm 2 brackets should be used distanced equally from each end.
- Push the Cavity Fire Barrier onto the leg of the bracket so it is spiked into the centre along the length and compress into the cavity. There should be at least 25mm between the end of the bracket and the outer face of the barrier. The brackets can be cut down if necessary.
- When extending the length of the Cavity Fire Barrier, ensure the adjacent lengths have their joints tightly abutted together and are aligned flush with each other to give the appearance of a continuous strip with no gaps.
- Fill any gaps up to 5mm wide with PFC Corofil Acoustic Intumescent Sealant to a minimum depth of 10mm.

## Substrates

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- Rigid walls: Minimum 100mm thick and comprise of concrete, aerated concrete or masonry, with a minimum density of 650kg/m<sup>3</sup>.
- Rigid Floors: Minimum 150mm thick and comprise of concrete, aerated concrete or masonry, with a minimum density of 650kg/m<sup>3</sup>.

### Rigid Floors minimum thickness 150mm

PFC Corofil cavity Fire Barrier installed against rigid floors minimum 150mm thick				
Overall cavity width (mm)	Orientation	Brackets required	Fire resistance Performance	
			Integrity	Insulation
10 - 100	Horizontal	No	120	15
101 - 300		Yes	60	15

### Rigid Walls minimum thickness 100mm

PFC Corofil cavity Fire Barrier installed against rigid walls minimum 100mm thick				
Overall cavity width (mm)	Orientation	Brackets required	Fire resistance Performance	
			Integrity	Insulation
10 - 100	Vertical	No	120	60
101 - 300		Yes	60	15

### SFS system with gypsum board

PFC Corofil Cavity Fire Barrier installed against SFS system (see substrates on page 3 for full specification) to masonry outer substrate				
Overall cavity width (mm)	Orientation	Brackets required	Fire resistance Performance	
			Integrity (minutes)	Insulation (minutes)
10 - 300	Vertical	Yes	60	15



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