

Product Technical Data Sheet:

TDSCCFs with DPC

PFC Corofil Cavity Fire Stop with DPC

Classified to EN13501-2

3rd Party Certification IFCC1667

UL-EU-01231-CPR



**CAVITY
BARRIERS**



Technical Description of Product



PFC Corofil Cavity Fire Stop with DPC is a stonewool product with an integral polythene DPC adhered to its outer face.

PFC Corofil Cavity Fire Stop with DPC has been tested to EN1366-4 and will provide up to 120 minutes fire integrity and insulation performance.

Intended Use

PFC Corofil Cavity Fire Stop with DPC is designed and tested to maintain the fire resistance performance within a cavity where the party wall intersects with the outer face of the building and in the reveal around doors and windows.

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

- Tested to EN1366-4
- Suitable for cavities up to 600mm
- Provides up to 120 minutes fire integrity and insulation performance (please see tables from page 5).

Installation Instructions



Cavity widths up to 200mm wide (minimum thickness of CCFS 100mm)

- 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 Stop with DPC
- The PFC Corofil Cavity Fire Stop with DPC should be installed with a minimum 5mm compression.
- Any cutting of the PFC Corofil Cavity Fire Stop with DPC 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 and that the DPC is not affected by the cutting.
- Compress the PFC Corofil Cavity Fire Stop with DPC and push into the cavity ensuring the DPC faces towards the external face of the building.
- The PFC Corofil Cavity Fire Stop with DPC should be installed with an equal overlap either side of the party wall.
- When extending the length of the PFC Corofil Cavity Fire Stop with DPC, 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.

Cavity widths 201mm to 600mm wide (minimum thickness of CCFS 82mm)

- 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 Stop with DPC.
- The PFC Corofil Cavity Fire Stop with DPC should be installed with a minimum 5mm compression.
- Any cutting of the PFC Corofil Cavity Fire Stop with DPC 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 and that the DPC is not affected by the cutting.
- For masonry applications, fix PFC Corofil Multipurpose Brackets to the substrate using 1 no. 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 PFC Corofil Cavity Fire Stop with DPC. The brackets should be fixed 250mm from each end of each individual section of barrier at maximum 500mm centres.
- 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 still be used distanced equally from each end.
- Push the PFC Corofil Cavity Fire Stop with DPC 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.
- Fill any gaps up to 5mm with PFC Corofil Acoustic Intumescent Sealant to a minimum depth of 10mm.

Masonry Support System (minimum thickness of CCFS 82mm)

- 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 Stop with DPC.
- The PFC Corofil Cavity Fire Stop with DPC should be installed with a minimum 5mm compression.
- Any cutting of the PFC Corofil Cavity Fire Stop with DPC 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 and that the DPC is not affected by the cutting.
- Ensure there is a minimum of 28mm from the top of the masonry support bracket to the top of the floor slab.
- Mark where the brackets meet the cavity fire stop and cut a notch into the PFC Corofil Cavity Fire Stop with DPC ensuring that the DPC is not affected by the cutting.
- Compress the PFC Corofil Cavity Fire Stop with DPC and push into the cavity, ensuring the top of the cavity fire stop sits flush with the top surface of the floor slab.
- When extending the length of the PFC Corofil Cavity Fire Stop with DPC, 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 with PFC Corofil Acoustic Intumescent Sealant to a minimum depth of 10mm.

Substrates

- Rigid walls: Minimum 100mm thick and comprised of concrete, aerated concrete or masonry, with a minimum density of 650kg/m³.
- Rigid Floors: Minimum 150mm thick and comprised of concrete, aerated concrete or masonry, with a minimum density of 650kg/m³.
- Masonry support system: Ancon Masonry Support System MDC/P to suit a 450mm cavity.

Terminology

Fire resistance classes:

E = Integrity. The length of time it takes for the fire to pass to the non-fire side.

I = Insulation. The length of time it takes for the heat of the fire to pass to the non-fire side.

Performance Data



Rigid Walls minimum thickness 100mm

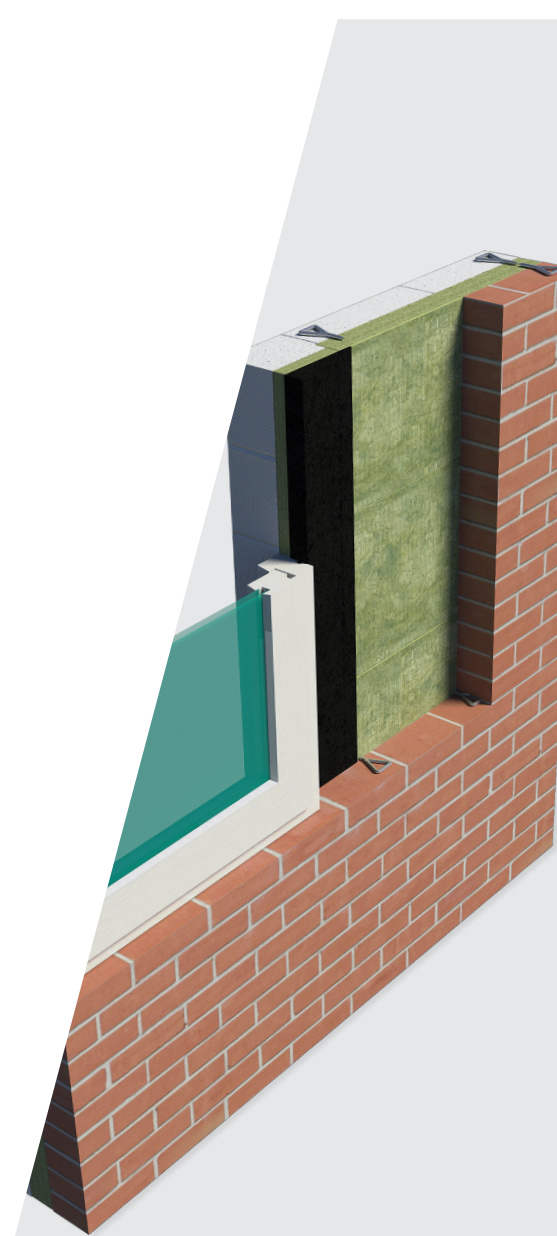
PFC Corofil Cavity Fire Stop with DPC installed against Rigid Walls minimum 100mm thick				
Overall cavity width (mm)	Minimum thickness of Cavity Fire Stop (mm)	Orientation	Brackets required	Fire resistance performance
10 - 200 with integral DPC	100	Vertical	No	EI120
201 - 600 with integral DPC	82		Yes	EI120 EI30

Rigid Floors minimum thickness 150mm

PFC Corofil Cavity Fire Stop with DPC installed against Rigid Floors minimum 150mm thick				
Overall cavity width (mm)	Minimum thickness of Cavity Fire Stop (mm)	Orientation	Brackets required	Fire resistance performance
10 - 200 with integral DPC	100	Horizontal	No	EI120
101 - 200 with integral DPC	100		No	EI120 EI90
201 - 450 with integral DPC	82		Yes	EI120 EI30
451 - 595 with integral DPC			Yes	EI60 EI30

Rigid floors minimum thickness 150mm with masonry support system

PFC Corofil Cavity Fire Stop with DPC installed horizontally against an Ancon MDC/P Masonry Support System fixed to a rigid floor slab minimum 150mm thick				
Overall cavity width (mm)	Minimum thickness of Cavity Fire Stop (mm)	Minimum gap from top of Masonry support bracket to top of floor slab (mm)	Brackets required	Fire resistance performance
200 with integral DPC	82	28	No	EI120
201 - 450 with integral DPC			Yes	EI120 EI30



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