



Product Technical Data Sheet:

TDSCFCW

**PFC Corofil Fastight Curtain Wall
Barrier CFCW**

Classified to EN13501-2

3rd Party Certification UL-EU-01159-CPR



**CAVITY
BARRIERS**



Technical Description of Product



PFC Corofil Fastight Curtain Wall Barrier is a stone wool product applied with PFC Corofil Fastight Coating, installed between curtain walling and the concrete slab edge of a building to reinstate the fire resistance performance of the cavity.

PFC Corofil Fastight Curtain Wall Barrier has been tested to EN1364-4 and will provide up to 120 minutes fire integrity and insulation performance.

PFC Corofil Fastight Curtain Wall Barrier is supplied as 150mm wide x 100mm deep x 1000mm long sections with PFC Corofil Fastight Coating factory applied to the top surface, to allow for cutting to size on site.

Intended Use

PFC Corofil Fastight Curtain Wall Barrier has been designed and tested to be installed horizontally within building cavities up to 225mm wide between curtain walling and the concrete slab edge.

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

- Suitable for cavities up to 225mm
- Can be installed horizontally against masonry substrates to a spandrel panel with 25mm thick calcium silicate board.
- Supplied with PFC Corofil Fastight Coating factory applied.
- Provides up to 120 minutes fire integrity and insulation performance (please see table on page 5).

Installation Instructions



- 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.
- For cavities up to 120mm wide, install PFC Corofil Fastight Curtain Wall Barrier as a single section compressed by 20% of the overall cavity width.
- For cavities over 120mm wide, install PFC Corofil Fastight Curtain Wall Barrier as two sections abutted together side by side compressed by 20% of the overall cavity width.
- When installing PFC Corofil Fastight Curtain Wall Barrier as two sections friction fitted side by side, coat the joint at the abutments of the barrier sections with PFC Corofil Fastight Coating.
- Any cutting of the PFC Corofil Fastight Curtain Wall Barrier on site to suit tolerances, shall be done accurately and kept to a minimum. Ensure correct compression is maintained.
- Compress the PFC Corofil Fastight Curtain Wall Barrier and push into the cavity.
- Apply PFC Corofil Fastight Coating to the top edges of the PFC Corofil Fastight Curtain Wall Barrier, overlapping onto the floor and curtain wall to a minimum 15mm wide.
- When extending the length of the PFC Corofil Fastight Curtain Wall 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.

Installation Instructions



Substrates

- Rigid Floors: Minimum 150mm thick and comprise of concrete, aerated concrete or masonry, with a minimum density of 650kg/m³.
- Curtain Wall: Aluminium profile system of mullions and transoms with 1 x 25mm thick layer of calcium silicate board mounted on inside of spandrel panel system and stonewool based core within the spandrel panel.

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 Floors minimum thickness 150mm

PFC Corofil Fastight Curtain Wall Barrier installed against Rigid Floors minimum 150mm thick						
Overall Cavity width (mm)	Thickness of barrier (mm)	Orientation	Seal Position	Minimum Seal Depth (mm)	Backing Material	Fire Resistance Performance
10-225	100	Horizontal	Top of backing material. Overlapping floor and curtain wall at minimum 15mm.	1 (DFT)	Stone mineral wool compressed by 20%	EI 120



Doc Reference		TDSCFCW	
Revision 1.1			
PB: DQ	CB: CI	AB:SE	
This Copy		Review Date	
28/08/2024		04/07/2029	



King Georges Trading Estate | Davis Road | Chessington | KT9 1TT
T. +44 (0) 208 391 0533
E. sales@pfc-corofil.com | tech@pfc-corofil.com | W. pfc-corofil.com

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). Downloaded and printed data sheets are uncontrolled. For latest copy please check www.pfc-corofil.com