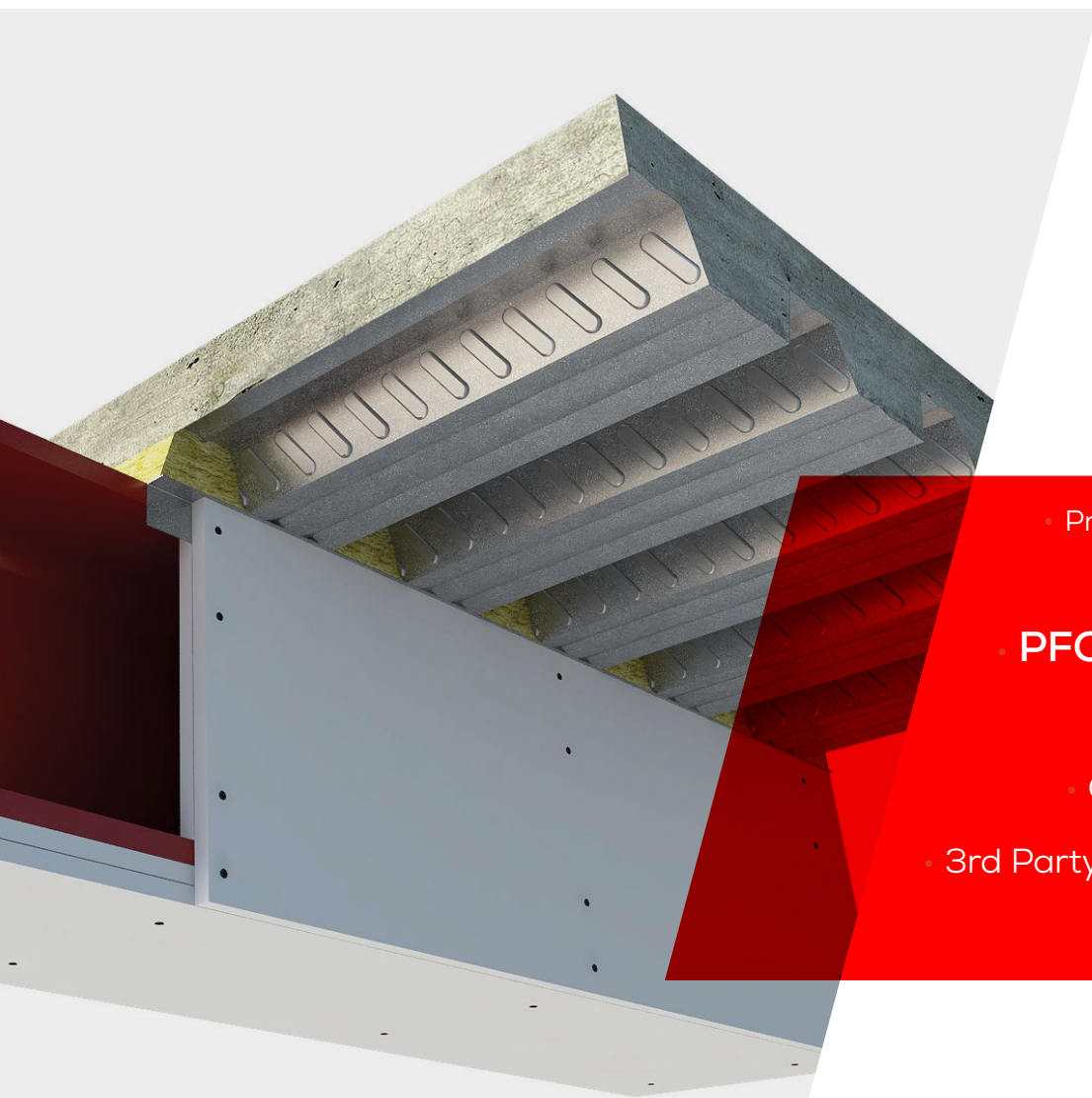




PFC COROFIL
PASSIVE FIRE PROTECTION SOLUTIONS



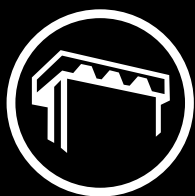
• Product Technical Data Sheet:
TDSCCLGB

• **PFC Corofil Linear Gap
Seal Blocks CLGB**

• Classified to EN13501-2

• 3rd Party Certification IFCC1668

• UL-EU-01230-CPR



**LINEAR
GAP SEALS**



Technical Description of Product



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PFC Corofil Linear Gap Block is a stone wool block installed in the trapezoidal profile of a composite profile deck at the head of flexible and rigid wall constructions and above a steel beam* protected with a gypsum based cladding system.

It is supplied pre-cut to suit the profile of the composite deck in which it is to be installed. The blocks can be installed in composite decks with profiles up to 210mm, to the depth of the wall head or beam*, minimum 100mm deep. Tested utilising the principles of EN1366-4, PFC Corofil Linear Gap Blocks will provide up to 120 minutes fire integrity and insulation performance.

Intended Use

PFC Corofil Linear Gap Block is designed and tested to close off the trapezoidal void of a composite profile deck at the head of a flexible or rigid wall and above a steel beam* protected with a gypsum based cladding system. The PFC Corofil Linear Gap Block for the flexible wall should be installed flush with the outer face of the plasterboard on both sides. The PFC Corofil Linear Gap Block for the rigid wall should be a minimum 100mm deep and installed centrally within the wall above a separate Linear Gap Strip to a maximum profile of 210mm and a maximum linear gap width of 150mm. The block above the steel beam* should finish flush with both outer faces of the gypsum based cladding system.

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

- Classified A1 in accordance with BS EN 13501-1.
- Suitable for profiled composite decking up to 210mm.
- Can be used above Flexible walls, rigid walls, and steel beam* (protected with gypsum based beam encasement system).
- Provides up to 120 minutes fire integrity and insulation performance.

* Please see tables on page 5 for exact configuration for steel beam

• Installation Instructions



Flexible walls & Steel Beam

- Please refer to SDSCLGB for information on safe handling and disposal.
- Ensure surfaces are clean, dry and free from dirt, dust and other contaminants.
- Ensure the opening to be filled has been tested with and is suitable for the product being installed.
- The PFC Corofil Linear Gap Block should be 5mm larger than the opening in both height and width.
- Compress the PFC Corofil Linear Gap Block and push into the profile ensuring it finishes flush with the outer face of plaster board on both sides of the wall/beam.
- Fill any gaps up to 5mm with PFC Corofil Acoustic Intumescent Sealant to a minimum depth of 10mm.
- Large gaps between 6mm and 15mm caused by the splaying of the composite profile deck should be filled with the same stone wool as the blocks by tightly packing the gaps until filled all the way through the wall.

Rigid walls

- Ensure surfaces are clean, dry and free from dirt, dust and other contaminants.
- Ensure the opening to be filled has been tested with and is suitable for the product being installed.
- The PFC Corofil Linear Gap Block should be 5mm larger than the opening in both height and width.
- Compress the PFC Corofil Linear Gap Strip and push into the linear gap at the head of the wall ensuring it is central within the wall.
- Compress the PFC Corofil Linear Gap Block and push into the profile ensuring it finishes flush with the outer face of the PFC Corofil Linear Gap Strip on both side of the wall.
- Fill any gaps up to 5mm with PFC Corofil Acoustic Intumescent Sealant to a minimum depth of 10mm.
- Large gaps between 6mm and 15mm caused by the splaying of the composite profile deck should be filled with the same stone wool as the blocks by tightly packing the gaps until filled all the way through the wall.



Substrates

- Flexible walls: PFC Corofil Linear Gap Blocks can be installed at the head of flexible walls at minimum 100mm thick, comprising of metal or timber studs lined on both sides with 2 layers of 12.5mm 'type F' gypsum plasterboards according to EN520.
- Rigid walls: Minimum 100mm thick and comprised of concrete, aerated concrete or masonry, with a minimum density of 650kg/m³.
- Steel Beam: 254mm high x 102mm wide x 22kg/m I beam with 75 microns C400V3 primer, clad with a double layer of British Gypsum beam encasement system to 3 sides.

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



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Walls minimum thickness 100mm

Flexible Wall

PFC Corofil Linear Gap Blocks flexible wall to finish flush with outer face of plasterboard on both sides of the wall.	
Composite profile deck height (mm)	Fire resistance performance
10 - 210	EI120

Rigid Wall

PFC Corofil Linear Gap Blocks rigid wall installed centrally, minimum 100mm thick.		
Composite profile deck height (mm)	Linear joint between head of wall and underside of composite deck (mm)	Fire resistance performance
10 - 210	10 - 150	E120 EI30

Steel Beam

PFC Corofil Linear Gap Blocks above steel beam to finish flush to the plasterboard on the fire side or full width of beam and plasterboards if fire side not known.		
Steel Beam Description	Composite profile deck height (mm)	Fire resistance performance
254mm high x 102mm wide x 22kg/m x 5m long I beam with 75 microns C400V3 primer protected by British Gypsum Beam Encasement System with 2 layers of Fireline board 15mm thick on 3 sides.	10 - 210	EI120



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Doc Reference		TDSCCLGB	
Revision 1.6			
PB: DQ	CB: CI	AB: SE	
This Copy		Review Date	
21/11/2025		14/04/2026	

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