



PFC COROFIL
PASSIVE FIRE PROTECTION SOLUTIONS



- Product Technical Data Sheet: TDSCLGS
- PFC Corofil Linear Gap Strips CLGS
- Classified to EN13501-2
- 3rd Party Certification IFCC1668
- UL-EU-01229-CPR



**LINEAR
GAP SEALS**



• Technical Description of Product



PFC Corofil Linear Gap Strip is a stone wool strip installed in rigid wall and rigid floor constructions to maintain the fire resistance of the separating element. It is supplied pre-cut in 1 metre lengths to suit joint widths up to 200mm and depths from a minimum of 100mm.

The strips can be installed in vertical linear joints within the wall construction, or horizontally at the junction between the head of the wall and rigid floor as well as the junction at the head of the wall and a steel beam*. PFC Corofil Linear Gap Strips are also suitable for installation in horizontal linear joints in rigid floors. Tested to EN1366-4, PFC Corofil Linear Gap Strips will provide up to 240 minutes fire integrity and insulation performance.

Intended Use

PFC Corofil Linear Gap Strip is designed and tested to close linear gaps in rigid walls and rigid floors. It can be installed horizontally in floors, vertically in walls and horizontally at the junction between the head of a rigid wall and rigid floor, or horizontally at the junction at the head of a rigid wall and the underside of a steel beam*.

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 linear joints up to 200mm wide.
- Suitable for lateral movement joints up to 100mm with ≤ 25 mm extension in both rigid floors and rigid walls.
- Can be used in rigid floors, rigid walls, to the underside of a steel beam* (protected with gypsum based beam encasement system).
- Provides up to 240 minutes fire integrity and insulation performance.

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

• Installation Instructions



- Please refer to SDSCLGS for information on safe handling and disposal.
- 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.
- The PFC Corofil Linear Gap Strip should be installed with a minimum 5mm compression.
- Compress the PFC Corofil Linear Gap Strip and push into the linear gap (if the wall thickness is above 100mm the strip should be installed centrally within the joint, if installed within a floor the strip should sit flush with the underside face of the floor).
- When extending the length of the PFC Corofil Linear Gap Strip, 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.
- When installing a 2 strip system the rigid wall or rigid floor should be of sufficient thickness to accommodate the 2 strips and a minimum air gap of 40mm. The strips should be installed flush with the outer face of the wall on both sides.
- Fill any gaps up to 5mm with PFC Corofil Acoustic Intumescent Sealant to a minimum depth of 10mm.

Installation Instructions



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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.
 - 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.
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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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Rigid Walls

Walls minimum thickness 100mm

PFC Corofil Linear Gap Strip installed as a single strip in rigid walls minimum 100mm thick.		
Joint width (mm)	Orientation	Fire resistance performance
10 - 200	Vertical	EI120
10 - 200 with integral DPC		
10 - 100	Horizontal	EI120
101 - 200		EI20 EI30
50 - 200 with sheathed electrical cables up to a maximum diameter of 21mm		EI20 EI30

PFC Corofil Linear Gap Strip 2 strip system with 40mm air gap in rigid walls minimum 100mm thick.				
Joint width (mm)	Strip depth (mm)	Minimum wall thickness (mm)	Orientation	Fire resistance performance
10 - 60	2 x 30	100	Vertical	EI120
10 - 100	2 x 50	140		
10 - 60	2 x 30	100	Horizontal	EI20 EI90
10 - 100	2 x 50	140		EI120

PFC Corofil Linear Gap Strip installed as a single strip in a rigid wall to the underside of a steel beam.			
Steel Beam Description	Joint size	Orientation	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 - 200	Horizontal	EI20 EI45

Performance Data



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Rigid Walls

Walls minimum thickness 100mm

PFC Corofil Linear Gap Strip Movement Joint installed as a single strip in rigid walls minimum 100mm thick.			
Joint size (mm)	Orientation	Maximum Lateral Movement (mm)	Fire resistance performance
10 - 100	Horizontal	25	EI120
10 - 100	Vertical	25	E120 EI45

Walls minimum thickness 140mm

PFC Corofil Linear Gap Strips 2 strip system with 40mm air gap in rigid walls minimum 140mm thick.				
Joint width (mm)	Strip depth (mm)	Minimum wall thickness (mm)	Orientation	Fire resistance performance
10 - 60	2 x 50	140	Horizontal	EI240
61 - 100	2 x 50	140		E240 EI180

Walls minimum thickness 215mm

PFC Corofil Linear Gap Strips 2 strip system with 45mm air gap in rigid walls minimum 215mm thick.				
Joint width (mm)	Strip depth (mm)	Minimum wall thickness (mm)	Orientation	Fire resistance performance
10 - 100	2 x 85	215	Horizontal	EI240

Performance Data



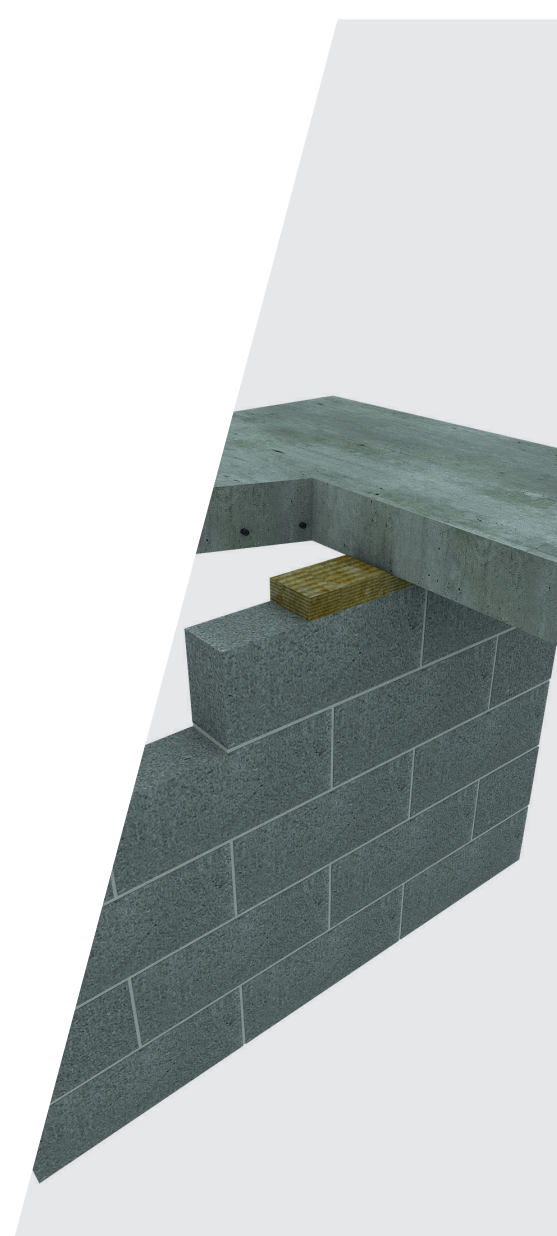
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Rigid Floors

Floors minimum thickness 150mm

PFC Corofil Linear Gap Strip installed as a single strip in rigid floors minimum 150mm thick.		
Joint size (mm)	Orientation	Fire resistance performance
10 - 100	Horizontal	EI120
101 - 200		E120 EI90

PFC Corofil Linear Gap Strip 2 strip system installed in rigid floors minimum 150mm thick.				
Joint width (mm)	Strip depth (mm)	Minimum air gap	Orientation	Fire resistance performance
10 - 60	2 x 30	90	Horizontal	E120 EI60
10 - 100	2 x 50	50		E120 EI60



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