



Product Brochure:

Passive Fire Protection for Brickwork



CAVITY BARRIERS

LINEAR GAP SEALS

SERVICE PENETRATIONS

Solutions for your Brickwork Passive Fire Protection needs.



Table of Contents

Cavity Barriers

- 5 PFC Corofil CCFS Cavity Fire Stop
- 7 PFC Corofil CCFB Cavity Fire Barrier
- 9 PFC Corofil Cavity Fire Stop with DPC
- 11 PFC Corofil Cavity Fire Stop Slabs
- 13 PFC Corofil COSB 25
- 15 PFC Corofil COSB 44
- 17 PFC Corofil Open State Clip

Linear Gap Seals

- 19 PFC Corofil Linear Gap Seal Strip
- 21 PFC Corofil Linear Gap Seal Blocks

Service Penetrations

- 23 PFC Corofil Acoustic Intumescent Sealant



PFC Corofil Cavity Fire Stop full fill cavity barrier is a stone wool product installed between the façade and the inner structure of a building to reinstate the fire resistance performance of the cavity.

PFC Corofil Cavity Fire Stop has been tested to EN1366-4 and EN1363-1 TR031 and will provide up to 120 minutes fire integrity and insulation performance. PFC Corofil Cavity Fire Stop is cut to size to suit the cavity width and can be supplied as plain stone wool, foil encapsulated, or with an integral DPC.

PFC Corofil Cavity Fire Stop has been designed and tested to be installed within building cavities between the façade and the inner structure. It can be installed against SFS with a calcium silicate fibre cement board and masonry substrates in both horizontal and vertical orientations.

PFC Corofil Cavity Fire Stop can be installed in a masonry support system in cavities up to 450mm wide. PFC Corofil Cavity Fire Stop is suitable for cavity widths up to 600mm.

Key Points

- Suitable for cavities up to 600mm.
- Can be installed against SFS with a calcium silicate fibre cement board.
- Can be installed against aerated concrete, concrete & masonry substrates.
- Can be installed in a masonry support system.
- Provides up to 120 minutes fire integrity and insulation performance.



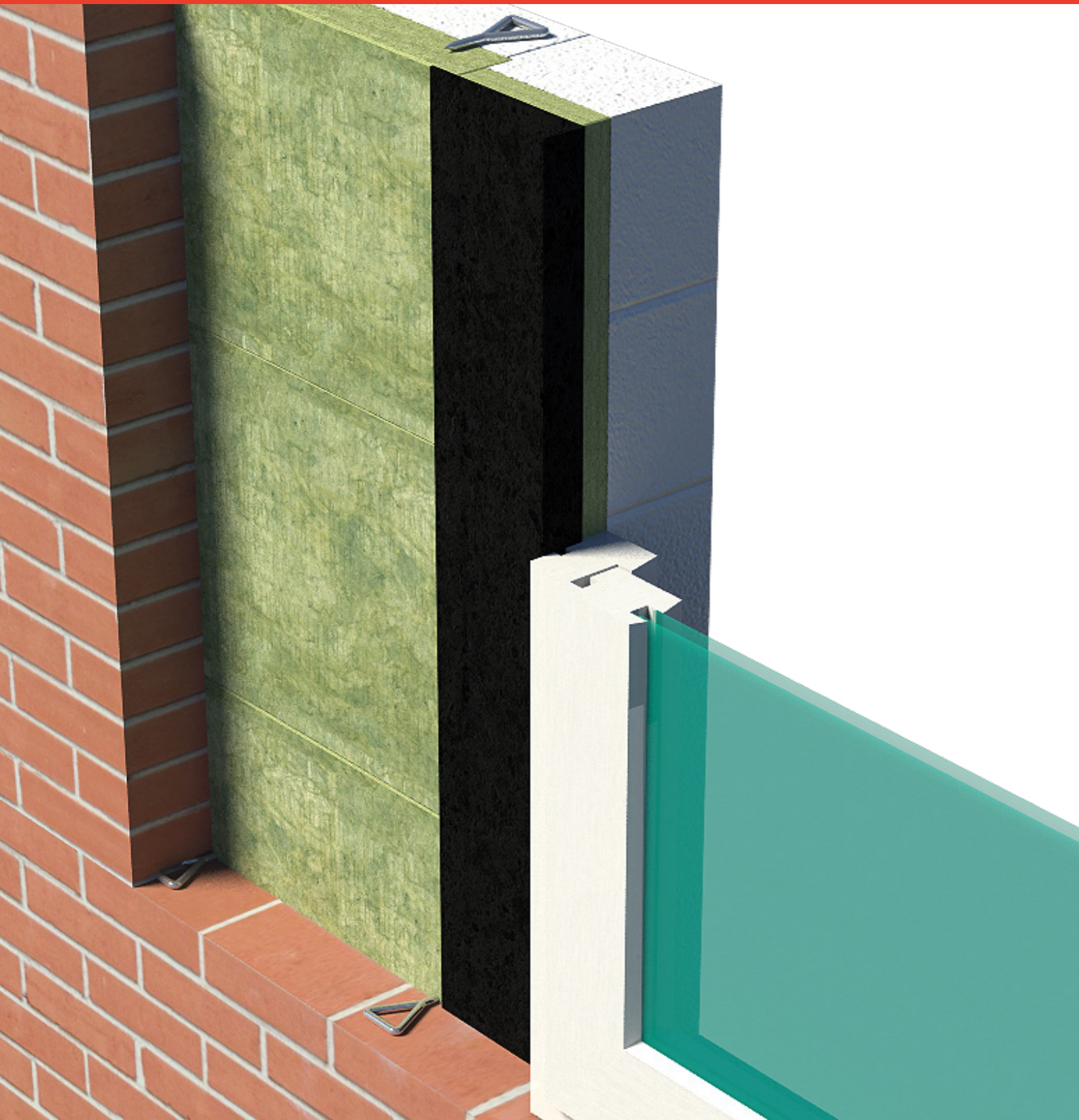
PFC Corofil Cavity Fire Barrier CCFB is a full fill cavity fire barrier manufactured from a 100mm thick low density stone wool product installed between the inner and outer substrates of a masonry façade to reinstate the fire resistance performance of the cavity.

It 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).

PFC Corofil Cavity Fire Barrier CCFB is designed and tested for installation 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.

Key Points

- Tested to EN1366-4:2021.
- Suitable for masonry cavities up to 300mm.
- Allows greater compression when installing in cavities with wet mortar.



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

It has been tested to EN1366-4 in cavity widths up to 200mm and will provide 120 minutes fire integrity and insulation performance.

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.

Key Points

- Tested to EN1366-4.
- Suitable for cavities up to 200mm.



PFC Corofil Cavity Fire Stop CCFS Slabs can be cut to size on site for installation within building cavities between the façade and the inner structure.

PFC Corofil Cavity Fire Stop CCFS Slabs are cut to suit the dimension of the cavity to be fire stopped and are suitable for installation against SFS with a calcium silicate fibre cement board, and masonry substrates in both horizontal and vertical orientations in cavities up to 600mm wide, and for installation in a masonry support system in cavities up to 450mm wide.

Key Points

- PFC Corofil Cavity Fire Stop CCFS Slabs may be cut and installed horizontally at a slab edge and are suitable for cavity widths between 10mm and 595mm.
- PFC Corofil Cavity Fire Stop CCFS Slabs may be cut and installed horizontally against a masonry support system fixed to a rigid floor slab and are suitable for cavity widths up to 450mm.
- PFC Corofil Cavity Fire Stop CCFS Slabs may be cut and installed horizontally and vertically against an SFS system with calcium silicate cement fibre board and are suitable for cavity widths between 10mm and 600mm.
- Applications provide up to 120 minutes fire integrity and insulation performance.



The PFC Corofil COSB 25 Barrier combines non combustible high density stone wool with a high expansion intumescent strip fixed to the outer face. It can be supplied in yellow polythene shrink wrap or foil encapsulated.

The PFC Corofil COSB 25 is designed to close off air gaps of 25mm. The intumescent strip will expand on heating to close off the air gap between the barrier and inner surface of the facade. Galvanised steel brackets are supplied as standard, stainless steel brackets can be ordered separately if required.

The fire resistance performance varies depending on which barrier is required to suit the application and build up of the substrates. The PFC Corofil Open State Barrier range is compliant to current market requirements and has been tested to the general principles of EN1363-1 and in accordance with ASFP Technical Guidance Document 19 (TGD 19).

Key Points

- Tested in accordance with ASFP TGD19 and to the general principles of EN1363-1.
- Provides various fire integrity performance dependent upon substrates and application.
- Suitable for cavities up to 450mm.
- Air gaps of 25mm.
- 3rd party certification.



The PFC Corofil COSB 44 Barrier combines non combustible high density stone wool with a high expansion intumescent strip fixed to the outer face. It can be supplied foil encapsulated or yellow polythene shrink wrapped.

The PFC Corofil COSB 44 is designed to close off air gaps of 44mm. The intumescent strip will expand on heating to close off the air gap between the barrier and inner surface of the facade. Galvanised steel brackets are supplied as standard, stainless steel brackets can be ordered separately if required.

The fire resistance performance varies depending on which barrier is required to suit the application and build up of the substrates. The PFC Corofil Open State Barrier range is compliant to current market requirements and has been tested to the general principles of EN1363-1 and in accordance with ASFP Technical Guidance Document 19 (TGD 19).

Key Points

- Tested in accordance with ASFP TGD19 and to the general principles of EN1363-1.
- Provides various fire integrity performance dependent upon substrates and application.
- Suitable for cavities up to 450mm.
- Air gaps of 25mm and 44mm.
- 3rd party certification.



Open State Clip

Technical Description of Product

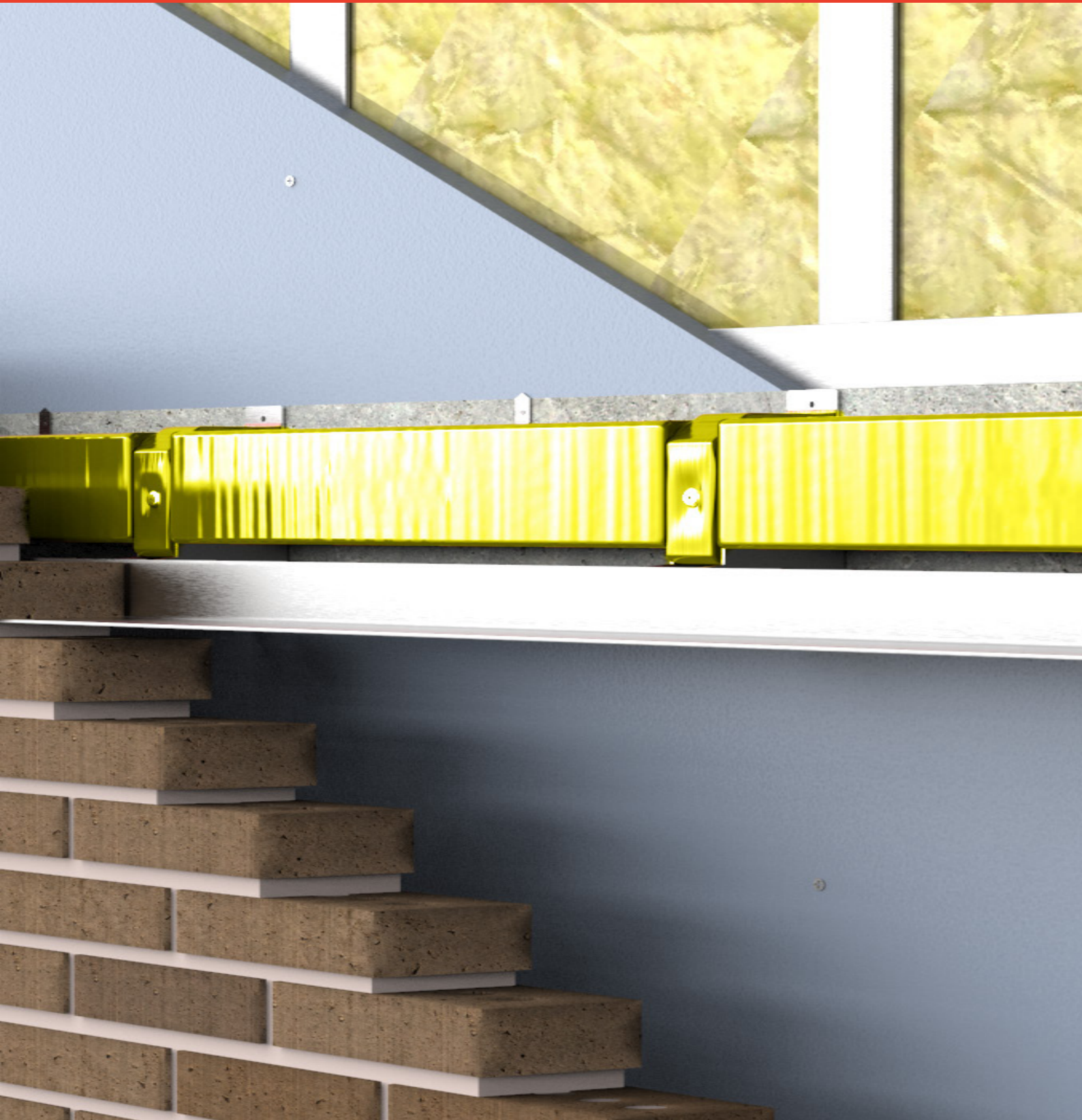
PFC Corofil Open State Clip is a 4mm thick intumescent strip riveted to a stainless steel plate shaped to fit within the opening of a Masonry Support Bracket.

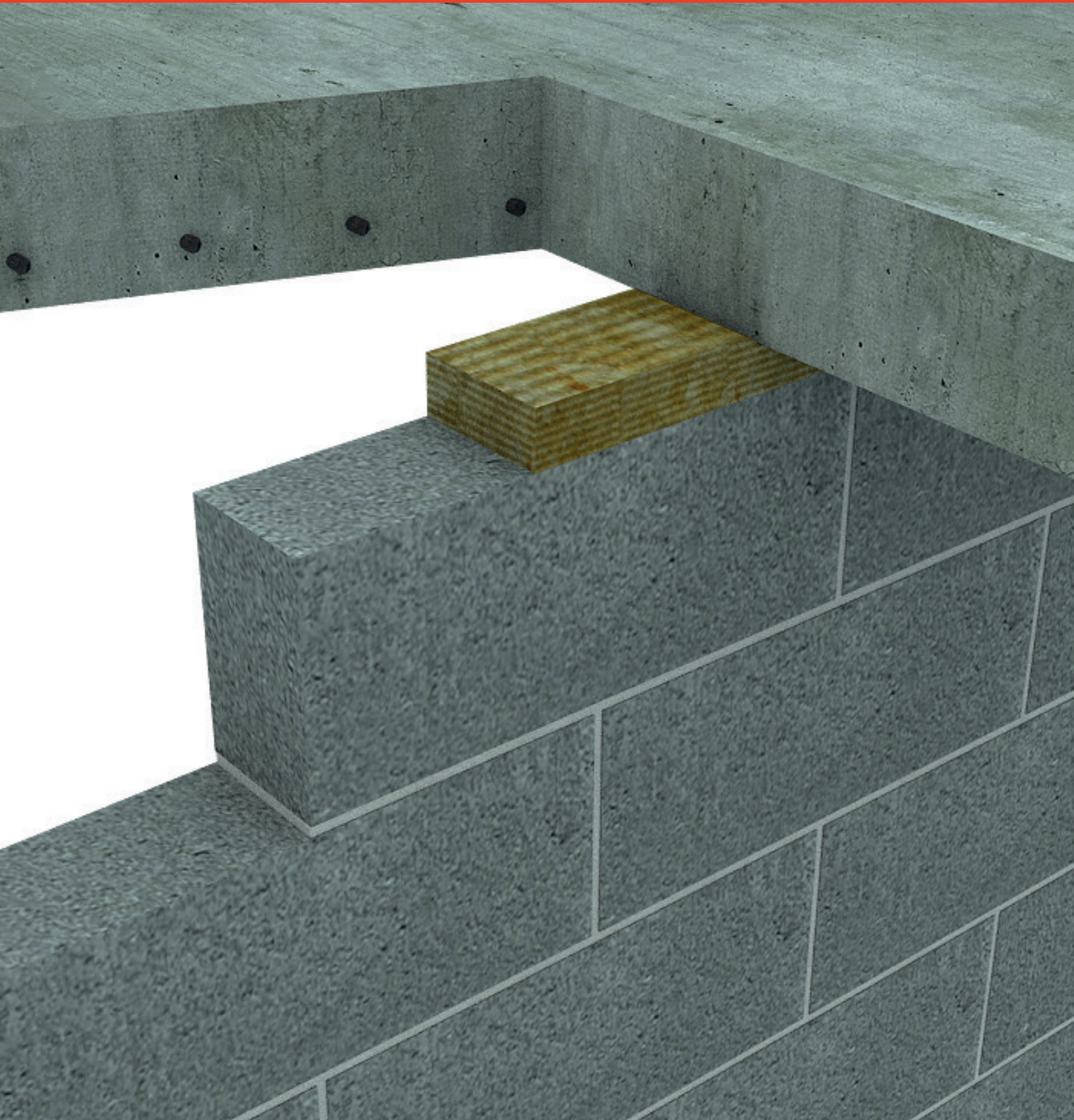
Combined with the PFC Corofil Open State Cavity Barrier COSB 44 (1026) installed between the brackets the two products create a horizontal open state cavity barrier system, the intumescent strip will react in a fire situation to close off the air gap between the barrier and the back of the external substrate.

Tested to EN1363-1 using the principles of ASFP Technical Guidance Document 19 (TGD19), the PFC Corofil Open State Clip will provide up to 120 minutes integrity and insulation fire resistance performance

Key Points

- Tested to EN1363-1 and the general principles of TGD 19
- Provides up to 120 minutes integrity and insulation fire resistance performance
- Suitable for cavity widths between 112.5mm and 287mm





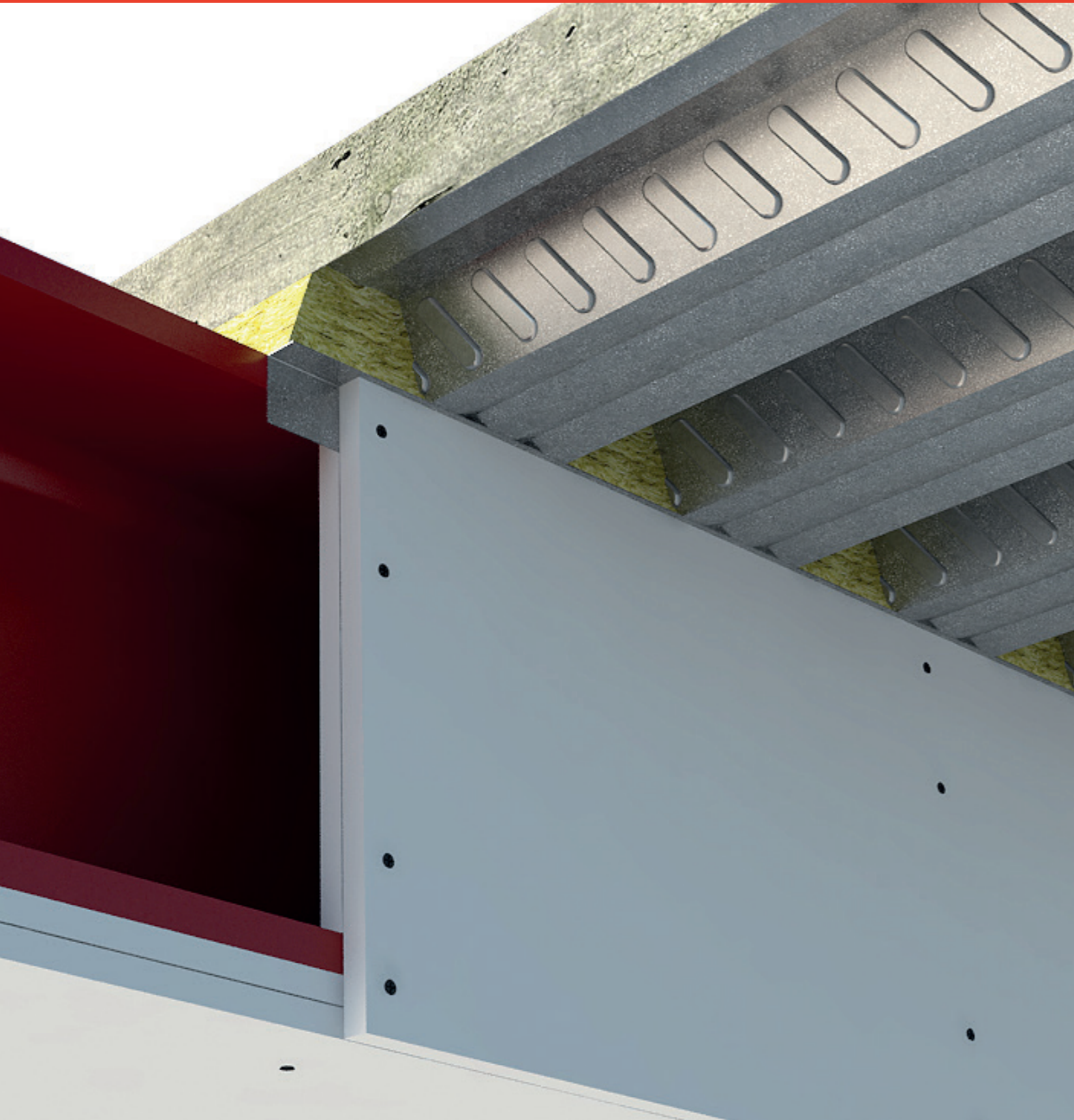
PFC Corofil Linear Gap Seal Strip is a stone wool strip installed in rigid wall and rigid floor constructions to maintain the fire resistance of the separating element.

Linear Gap Seal Strip is designed and tested to close linear gaps in rigid walls and rigid floors. Tested to EN1366-4. The product 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 Seal Strips are also suitable for installation in horizontal linear joints in rigid floors.

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).
- Third party certified.



PFC Corofil Linear Gap Seal 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.

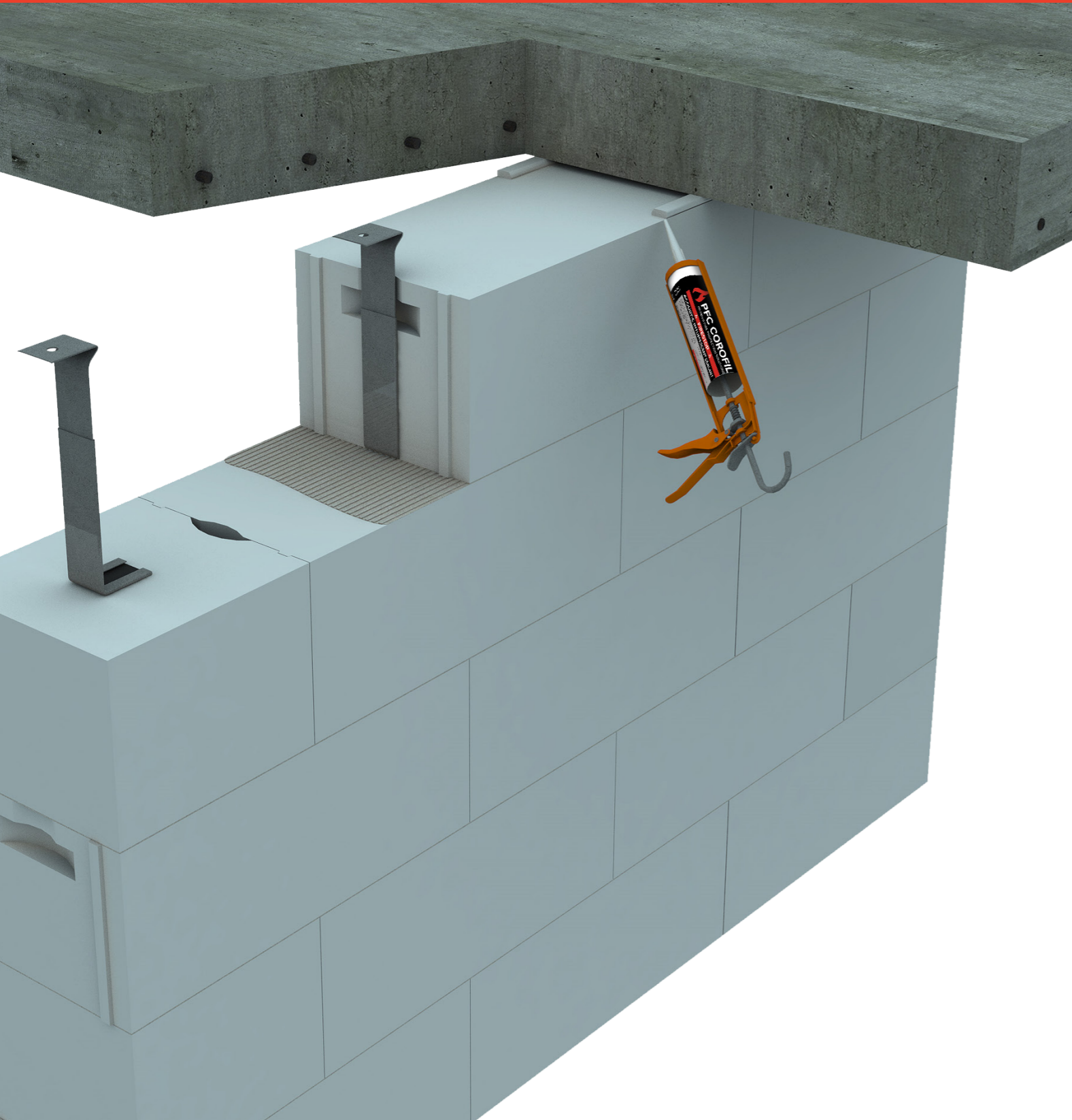
Tested utilising the principles of EN1366-4. The product is supplied pre cut to suit the profile of the composite deck in which it is to be installed. The blocks can be installed in composite decks with profiles up to 210mm, to the depth of the wall head or beam, minimum 100mm deep.

Linear Gap Seal Blocks are 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 Linear Gap Seal Block for a flexible wall should be installed flush with the outer face of the plasterboard on both sides. For a rigid wall the Linear Gap Seal Block should be a minimum 100mm deep and installed centrally within the wall above a separate Linear Gap Seal 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.

Key Points

- Product made from non-combustible stone wool.
- 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.



PFC Corofil Acoustic Intumescent Sealant is an acrylic based sealant used to form linear gap seals where gaps are present in wall and floor constructions and linear joint seals where wall and floor constructions abut.

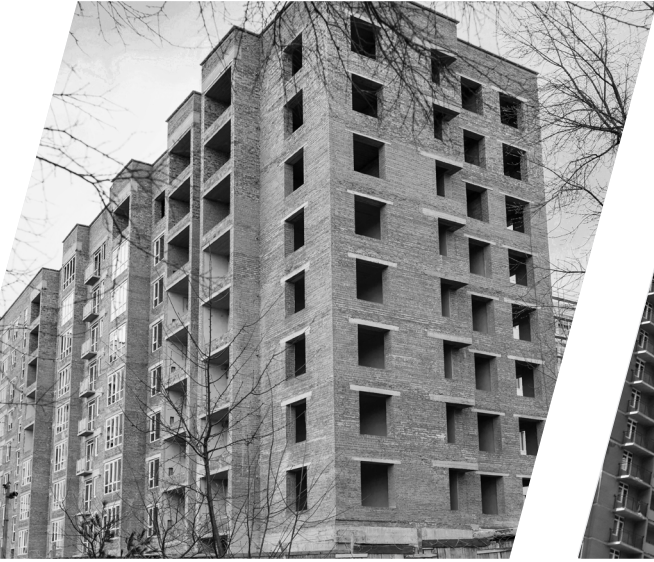
It can also be used to reinstate the fire resistance performance of wall constructions where they have been provided with apertures for the penetrations of multiple services.

Acoustic Intumescent Sealant has slight intumescent properties that cause it to swell on heating. Supplied in liquid form contained within 310ml cartridges and 600ml foils, the sealant is gunned into the aperture in or between the separating element(s) to a specified depth utilising various backing materials.

Certain seals require the use of 6mm foil lined ceramic to insulate the service and some require backfilling with stone wool. Please refer to the tables from page 8 of the technical data sheet for more information.

Key Points

- Tested to both EN1366-3:2009 and EN1366-4:2006
- Suitable for linear joints up to 60mm
- Third party certified



| | |
|---------------|-------------|
| Doc Reference | CBWB |
| Revision 1.4 | |
| This Copy | Review Date |
| 07/07/2022 | 12/04/2026 |