

UL-EU CERTIFICATE

Certificate No. UL-EU-01229-CPR
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Certificate Holder Pre-Formed Components Ltd
Brunswick House
1 Deighton Close
Wetherby, LS22 7GZ
United Kingdom

Manufacturer Pre-Formed Components Ltd
Brunswick House
1 Deighton Close
Wetherby, LS22 7GZ
United Kingdom

Certified Product Type Fire Stop – Mineral Wool Board
Product Trade Name PFC Corofil Linear Gap Strips (CLGS)
Trademark N/A
Rating/Classification See Appendix

Harmonised Technical Specifications EAD 350454-00-1104/ EAD 350141-00-1106/ EN 13501-2
Expiry date 2031-12-14



A handwritten signature in purple ink, appearing to read 'Chris Miles', is located in the lower-left area of the page.

Authorized Certification Decision Maker
Chris Miles

This is to certify that representative samples of the Certified Product listed above have been investigated by Underwriters Laboratories to the Standard(s) indicated on this Certificate, in accordance with the UL Global Services Agreement and the UL-EU Mark Service Terms and Conditions ("Agreement"). The Certificate Holder is entitled to use the UL-EU Mark for the Certified Product listed on the certificate and manufactured at the production site(s) listed, in accordance with the terms of the Agreement. Only those products bearing the UL-EU Mark for Europe should be considered as being covered by UL's UL-EU Mark Service. This Certificate shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.



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This certificate relates to the use of PFC Corofil Linear Gap Strips (CLGS) for fire stopping where there are joints in or between floors and walls or service penetrations through walls. The detailed scope is given in pages 3 to 16 of this Certificate. This shows the thickness and acceptable dimensions, substrates and orientations required to provide fire resistance periods of up to 120 minutes (EI 120).

The product is certificated on the basis of:

- i) Inspection and surveillance of factory production control by UL
- ii) Fire resistance test data in accordance with EN 1366-4: 2006 +A1: 2010 and EN 1366-3: 2009
- iii) Classification in accordance with EN 13501-2
- iv) Durability and Servicability as defined in EAD 350141-00-1106

The durability class of PFC Corofil Linear Gap Strips (CLGS) is Z₁ - intended for use at internal conditions with high humidity, excluding temperatures below 0°C



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Product-type: Mineral Wool Board		Intended use: Penetration Seal
Assessment method	Essential characteristic	Product Performance
BWR 2 Safety in case of fire		
EN 13501-1	Reaction to fire	No performance determined
EN 13501-2	Resistance to fire	See pages 4-16
BWR 3 Hygiene, health and environment		
Declaration of manufacturer & EN 16516	Content, emission and/or release of dangerous substances	Declaration of manufacturer
EN 1026	Air permeability (material property)	No performance determined
EAD 350141-00-1106, Annex C & EN 12390-8	Water permeability (material property)	No performance determined
BWR 4 Safety in use		
EOTA TR 001:2003	Mechanical resistance and stability	No performance determined
EOTA TR 001:2003	Resistance to impact/movement	No performance determined
EOTA TR 001:2003	Adhesion	No performance determined
ISO 11600 & EAD 350141-00-1106, Clause 2.2.13	Durability	Z ₁
EAD 350141-00-1106, Clause 2.2.12	Movement capacity	No performance determined
EAD 350141-00-1106, Clause 2.2.13	Cycling of perimeter seals for curtain walls	No performance determined
EAD 350141-00-1106, Clause 2.2.14	Compression set	No performance determined
EAD 350141-00-1106, Clause 2.2.15	Linear expansion on setting	No performance determined
BWR 5 Protection against noise		
EN 10140-1,2,4,5/ EN ISO 717-1	Airborne sound insulation	No performance determined
BWR 6 Energy economy and heat retention		
EN 12664, EN 12667, EN 12939, EN ISO 8990, EN ISO 6946, EN ISO 10456	Thermal properties	No performance determined
EN ISO 12572, EN 12086, EN ISO 10456	Water vapour permeability	No performance determined



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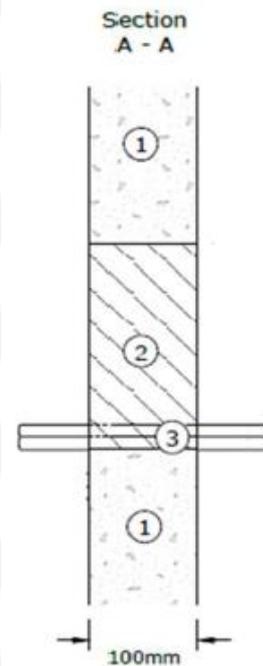
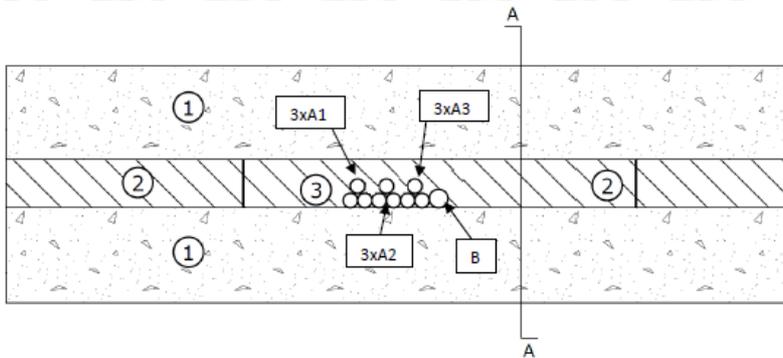
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Rigid wall constructions with minimum thickness of minimum 100 mm

Cable penetration seal with 1 x 100 mm thick PFC Corofil Linear Gap Strip

Penetration Seal: Cables fitted at any position within the aperture with PFC Corofil Linear Gap Strip (CLGS) compress fitted and flush to both faces of the wall

Construction details:



1. 100 mm lightweight rigid wall
2. PFC Corofil Linear Gap Strip
3. Standard small cable group (Cable group 1 as per EN 1366-3: 2009)

Substrate	Min. Depth (mm)	Aperture	Services	Seal Material*	Classification
Masonry / concrete	100	50-200 mm high	None (blank)	Stone mineral wool 110kg/m ³ , compress fitted by approximately 5 mm	EI 120, EI 30
			Single or bundled electrical cables up to 21 mm Ø [^]		

*Minor irregularities (≤ 5 mm) on each face to be sealed with PFC Corofil Acoustic Intumescent Sealant to a min. depth of 10 mm.

[^]Voids and interstices of cables sealed with PFC Corofil Acoustic Intumescent Sealant to a min. depth of 10 mm.

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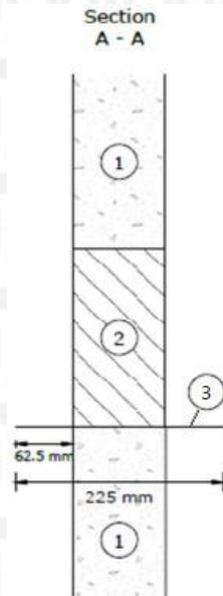
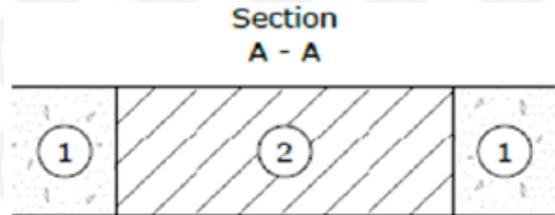
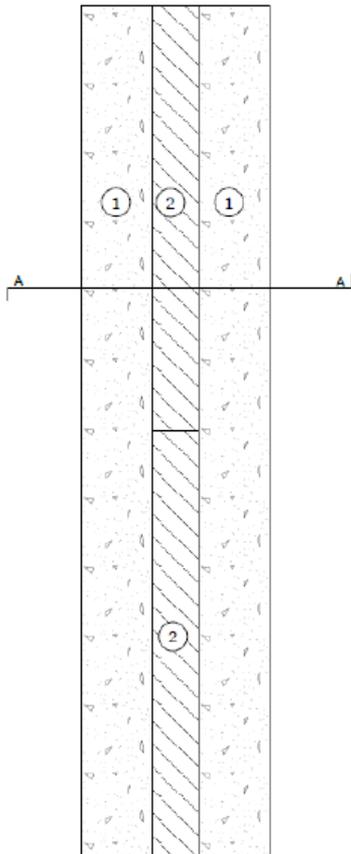
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Vertical linear joint or gap seals with 1 x 100 mm thick PFC Corofil Linear Gap Strip, between rigid walls

Joint System: PFC Corofil Linear Gap Strip compress fitted and flush to both faces of the wall

Construction details:



1. 100 mm leightweight rigid wall
2. PFC Corofil Linear Gap Strip
3. 225 mm Damp Proof Course (DPC) bonded centrally

Substrate	Min. Depth (mm)	Seal Material*	Classification
Masonry / concrete	100	Stone mineral wool 110kg/m ³ , compress fitted by approximately 5 mm. With or without DPC	EI 120 – V – X – F – W 10 to W 200

*Minor irregularities (≤ 5 mm) on each face to be sealed with PFC Corofil Acoustic Intumescent Sealant to a min. depth of 10 mm.



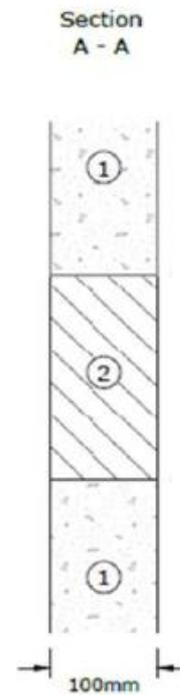
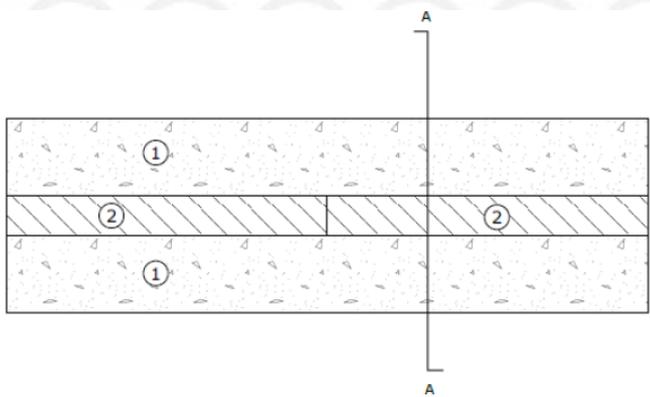
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Horizontal linear joint or gap seals with 1 x 100 mm thick PFC Corofil Linear Gap Strip, in rigid walls or between head of wall and concrete floor soffit

Joint System: PFC Corofil Linear Gap Strip (CLGS) compress fitted and flush to both faces of the wall

Construction details:



1. 100 mm leightweight rigid wall
2. PFC Corofil Linear Gap Strip

Substrate	Min. Depth (mm)	Seal Material*	Classification
Masonry / concrete	100	Stone mineral wool 110kg/m ³ , compress fitted by approximately 5 mm	EI 120 – T – X – F – W 10 to W 100
			E 120 – T – X – F – W 101 to W 200, EI 30 – T – X – F – W 101 to W 200

*Minor irregularities (≤ 5 mm) on each face to be sealed with PFC Corofil Acoustic Intumescent Sealant to a min. depth of 10 mm.



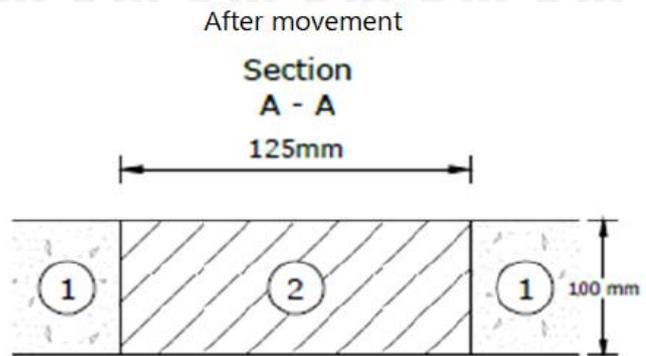
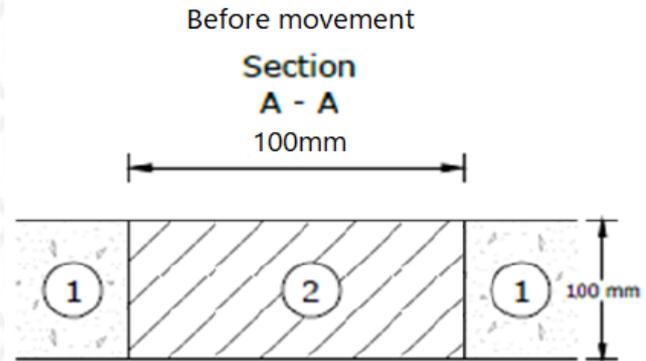
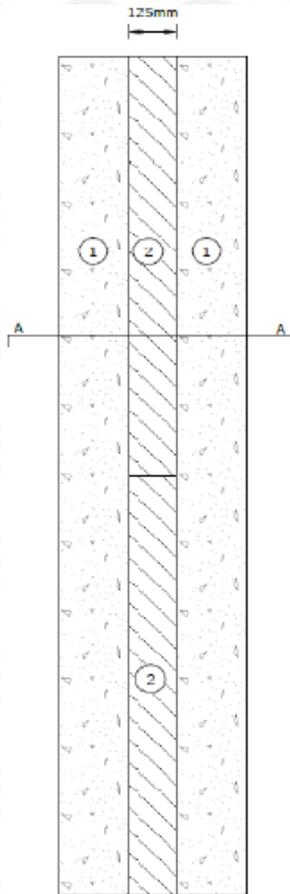
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Vertical linear joint or gap seals with 1 x 100 mm thick PFC Corofil Linear Gap Strip, between rigid walls with movement

Joint System: PFC Corofil Linear Gap Strip (CLGS) compress fitted and flush to both faces of the wall

Construction details:



- 3. 100 mm lightweight rigid wall
- 4. PFC Corofil Linear Gap Strip

Substrate	Min. Depth (mm)	Seal Material*	Classification
Masonry / concrete	100	Stone mineral wool 110kg/m ³ , compress fitted by approximately 25 mm before movement / 5 mm after movement	E 120 – T – M 25 – F – W 10 to W 100, EI 45 – T – M 25 – F – W 10 to W 100

*Minor irregularities (≤ 5 mm) on each face to be sealed with PFC Corofil Acoustic Intumescent Sealant to a min. depth of 10 mm.



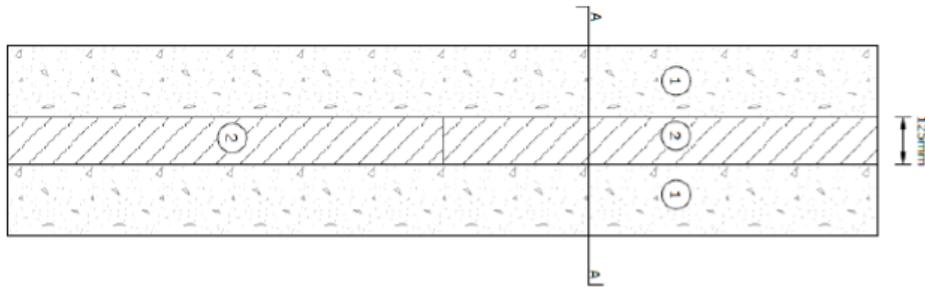
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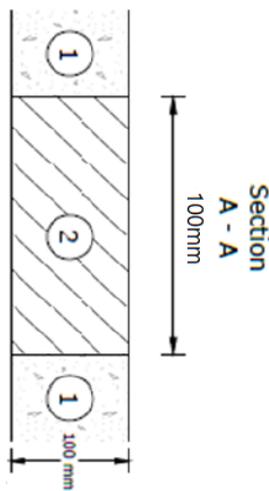
Horizontal linear joint or gap seals with 1 x 100 mm thick PFC Corofil Linear Gap Strip, in rigid walls or between head of wall and concrete floor soffit with movement

Joint System: PFC Corofil Linear Gap Strip (CLGS) compress fitted and flush to both faces of the wall

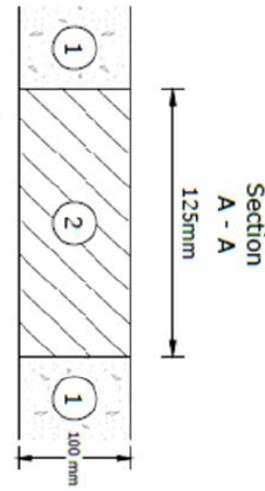
Construction details:



Before movement



After movement



4. 100 mm lightweight rigid wall
5. PFC Corofil Linear Gap Strip

Substrate	Min. Depth (mm)	Seal Material*	Classification
Masonry / concrete	100	Stone mineral wool 110kg/m ³ , compress fitted by approximately 25 mm before movement / 5 mm after movement	EI 120 – T – M 25 – F – W 10 to W 100

*Minor irregularities (≤ 5 mm) on each face to be sealed with PFC Corofil Acoustic Intumescent Sealant to a min. depth of 10 mm.



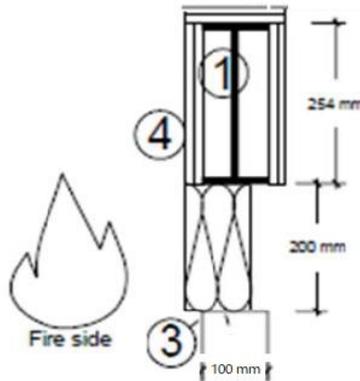
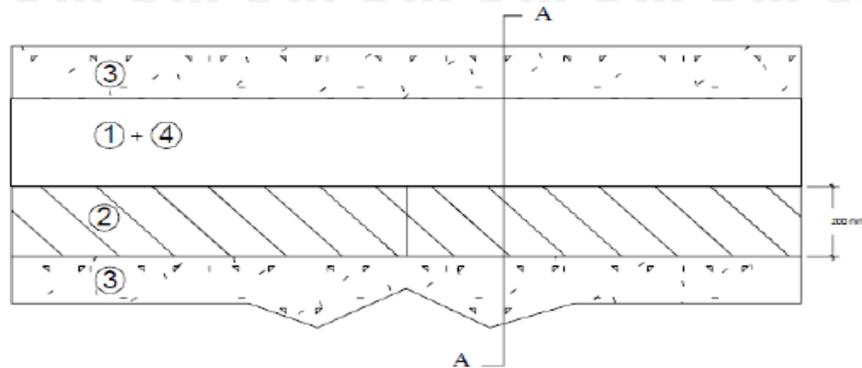
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linear joint or gap seals with 1 x 100 mm thick PFC Corofil Linear Gap Strip, between head of rigid wall and soffit of steel I-beam protected with a double layer, gypsum based, three-sided cladding system

Joint System: PFC Corofil Linear Gap Strip (CLGS) compress fitted and flush to fire side or full width of the steel beam if direction of fire is unknown.

Construction details:



1. 254 mm high by 102 mm wide x 6.8mm thick steel I-beam with 75 microns C400V3 Primer
2. PFC Corofil Linear Gap Strip
3. 100 mm lightweight rigid wall
4. Double layer 15 mm thick Gyproc FireLine, three-sided gypsum-based beam encasement system

Substrate	Min. Depth (mm)	Seal Material*	Classification
Steel I-beam / Masonry / concrete	100	Stone mineral wool 110kg/m ³ , compress fitted by approximately 5 mm.	E 120 – T – X – F – W 10 to W 200, EI 45 – T – X – F – W 10 to W 200

*Minor irregularities (≤ 5 mm) on each face to be sealed with PFC Corofil Acoustic Intumescent Sealant to a min. depth of 10 mm.



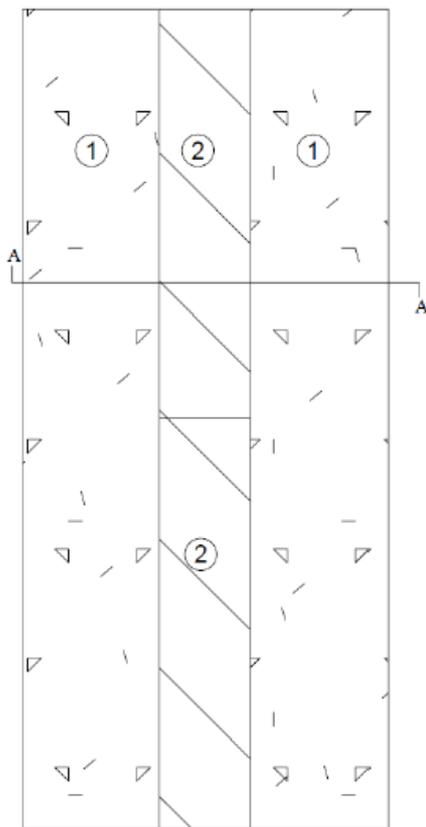
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Vertical linear joint or gap seals with 2 x 30 mm thick PFC Corofil Linear Gap Strip, between rigid walls

Joint System: PFC Corofil Linear Gap Strips, compress fitted within the aperture and flush to both faces of the wall. Minimum separation between linear joint seals of 40 mm in minimum 100 mm thick walls.

Construction details:



1. 100 mm lightweight rigid wall
2. PFC Corofil Linear Gap Strip

Substrate	Min. Depth (mm)	Seal Material*	Classification
Masonry / concrete	2 x 30	Stone mineral wool 110kg/m ³ , compress fitted by approximately 5 mm.	EI 120 - V - X - F - W 10 to W 60

*Minor irregularities (≤ 5 mm) on each face to be sealed with PFC Corofil Acoustic Intumescent Sealant to a min. depth of 10 mm.



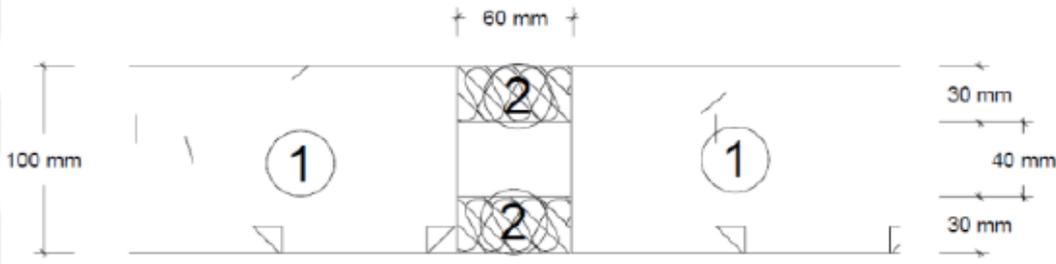
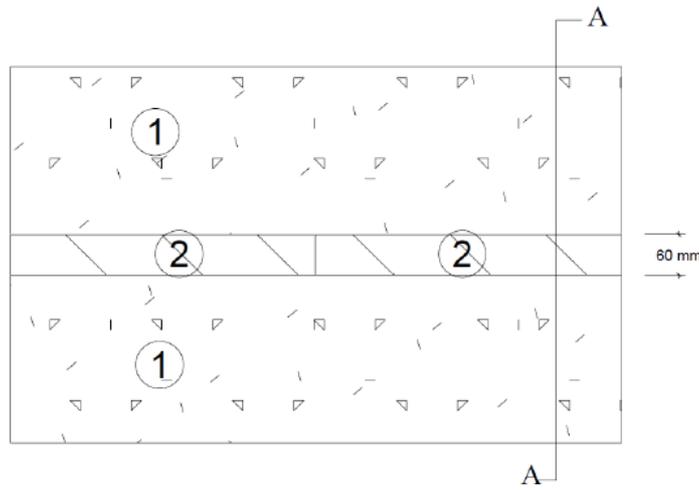
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Horizontal linear joint or gap seals with 2 x 30 mm thick PFC Corofil Linear Gap Strip, in rigid walls or between head of wall and concrete floor soffit

Joint System: PFC Corofil Linear Gap Strips, compress fitted within the aperture and flush to both faces of the wall. Minimum separation between linear joint seals of 40 mm in minimum 100 mm thick walls.

Construction details:



1. 100 mm lightweight rigid wall
2. PFC Corofil Linear Gap Strip

Substrate	Min. Depth (mm)	Seal Material*	Classification
Masonry / concrete	2 x 30	Stone mineral wool 110kg/m ³ , compress fitted by approximately 5 mm.	E 120 – T – X – F – W 10 to W 60, EI 90 – T – X – F – W 10 to W 60

*Minor irregularities (≤ 5 mm) on each face to be sealed with PFC Corofil Acoustic Intumescent Sealant to a min. depth of 10 mm.

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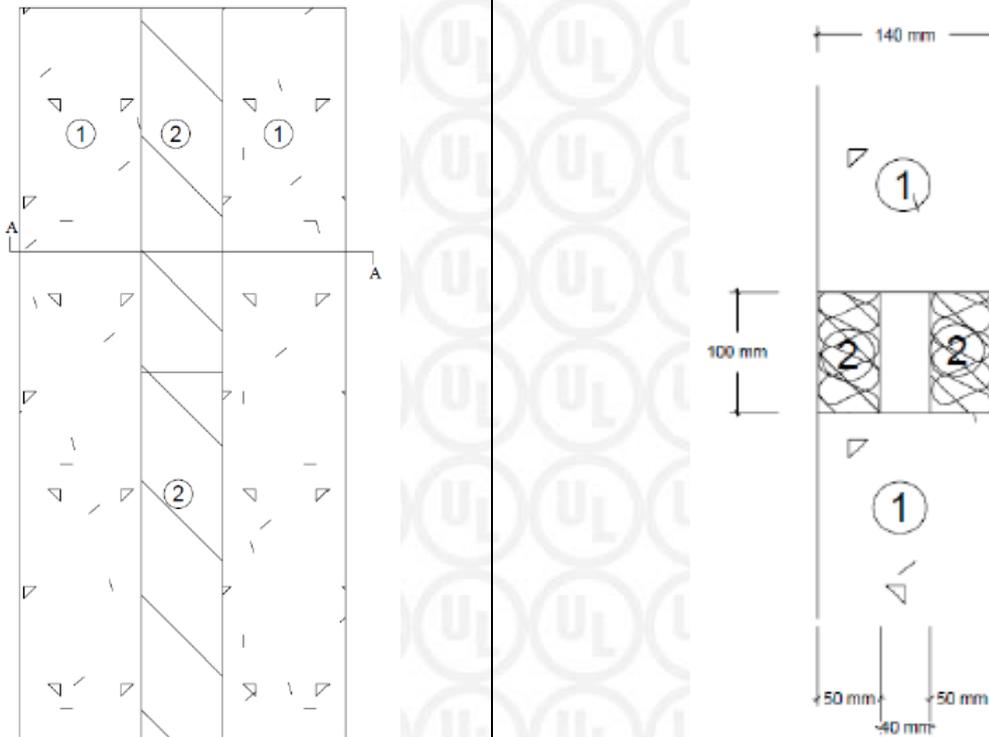
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Rigid wall constructions with minimum thickness of minimum 140 mm

Vertical linear joint or gap seals with 2 x 50 mm thick PFC Corofil Linear Gap Strip, between rigid walls

Joint System: PFC Corofil Linear Gap Strips, compress fitted within the aperture and flush to both faces of the wall. Minimum separation between linear joint seals of 40 mm in minimum 140 mm thick walls.

Construction details:



1. 140 mm leightweight rigid wall
2. PFC Corofil Linear Gap Strip

Substrate	Min. Depth (mm)	Seal Material*	Classification
Masonry / concrete	2 x 50	Stone mineral wool 110kg/m ³ , compress fitted by approximately 5 mm.	EI 120 – V – X – F – W 10 to W 100

*Minor irregularities (≤ 5 mm) on each face to be sealed with PFC Corofil Acoustic Intumescent Sealant to a min. depth of 10 mm.



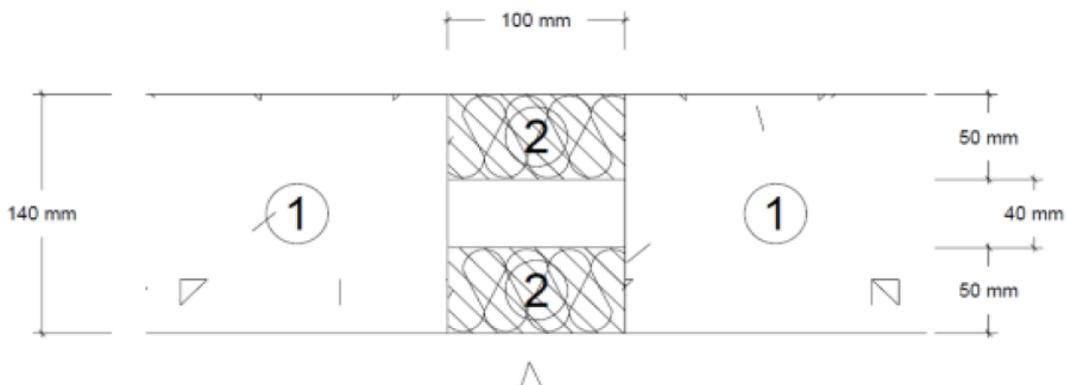
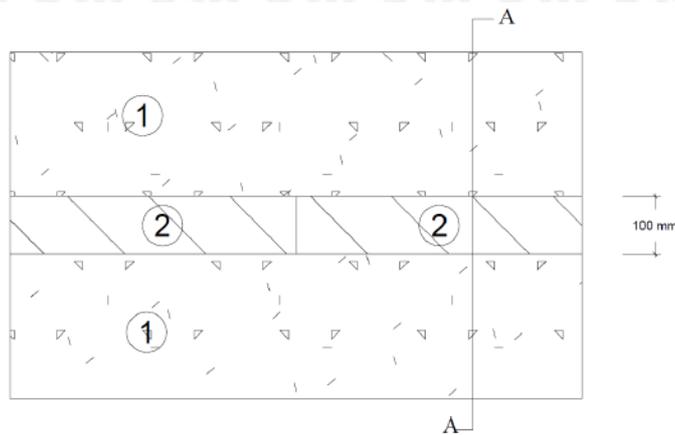
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Horizontal linear joint or gap seals with 2 x 50 mm thick PFC Corofil Linear Gap Strip, in rigid walls or between head of wall and concrete floor soffit

Joint System: PFC Corofil Linear Gap Strips, compress fitted within the aperture and flush to both faces of the wall. Minimum separation between linear joint seals of 40 mm in minimum 140 mm thick walls.

Construction details:



1. 140 mm leightweight rigid wall
2. PFC Corofil Linear Gap Strip

Substrate	Min. Depth (mm)	Seal Material*	Classification
Masonry / concrete	2 x 50	Stone mineral wool 110kg/m ³ , compress fitted by approximately 5 mm.	EI 120 – T – X – F – W 10 to W 100

*Minor irregularities (≤ 5 mm) on each face to be sealed with PFC Corofil Acoustic Intumescent Sealant to a min. depth of 10 mm.



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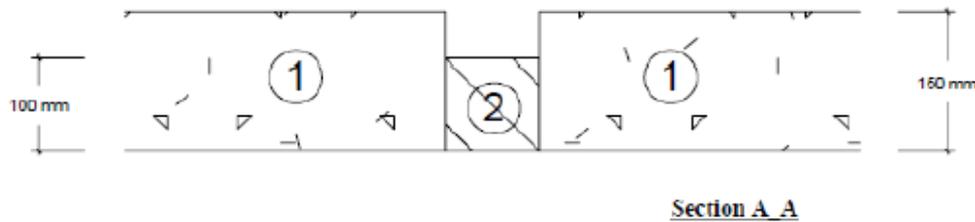
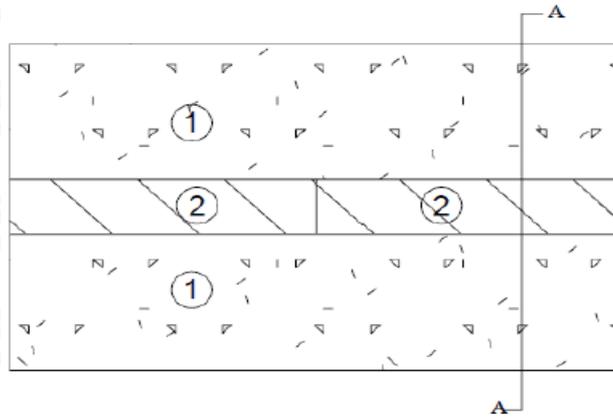
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Rigid floor constructions with minimum thickness of minimum 150 mm

Linear joint or gap seals with 1 x 100 mm thick PFC Corofil Linear Gap Strip

Joint System: PFC Corofil Linear Gap Strip compress fitted and flush to the bottom side of the floor

Construction details:



Section A A

1. 150 mm lightweight rigid floor
2. PFC Corofil Linear Gap Strip

Substrate	Min. Depth (mm)	Seal Material*	Classification
Masonry / concrete	100	Stone mineral wool 110kg/m ³ , compress fitted by approximately 5 mm	EI 120 – H – X – F – W 10 to W 100
			E 120 – H – X – F – W 101 to W 200, EI 90 – H – X – F – W 101 to W 200

*Minor irregularities (≤ 5 mm) on each face to be sealed with PFC Corofil Acoustic Intumescent Sealant to a min. depth of 10 mm.



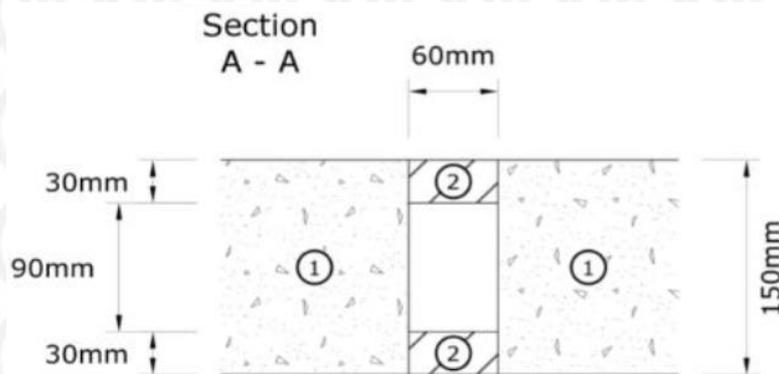
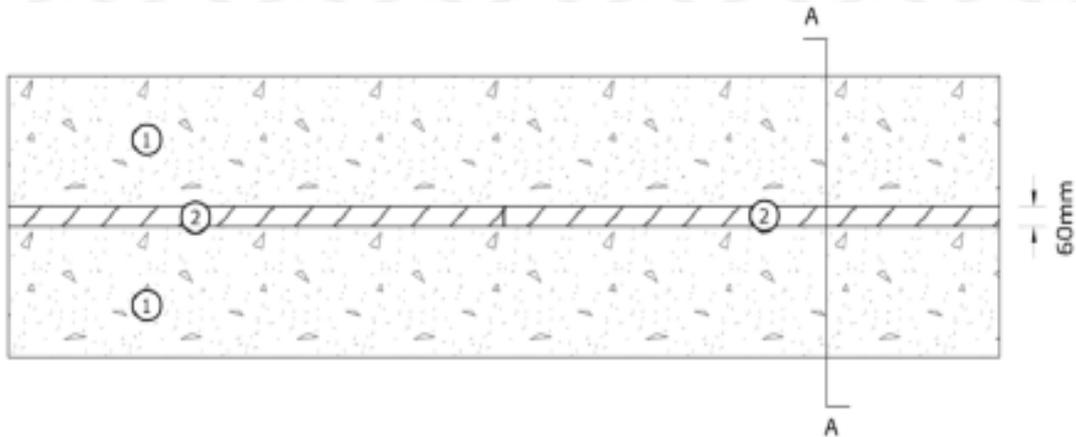
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Linear joint or gap seals with 2 x 30 mm thick PFC Corofil Linear Gap Strip

Joint System: PFC Corofil Linear Gap Strips, compress fitted within the aperture and flush to both sides of the floor. Minimum separation between linear joint seals of 90 mm in minimum 150 mm thick floors.

Construction details:



1. 150 mm lightweight rigid floor
2. PFC Corofil Linear Gap Strip

Substrate	Min. Depth (mm)	Seal Material*	Classification
Masonry / concrete	2 x 30	Stone mineral wool 110kg/m ³ , compress fitted by approximately 5 mm.	E 120 – H – X – F – W 10 to W 60, EI 60 – H – X – F – W 10 to W 60

*Minor irregularities (≤ 5 mm) on each face to be sealed with PFC Corofil Acoustic Intumescent Sealant to a min. depth of 10 mm.



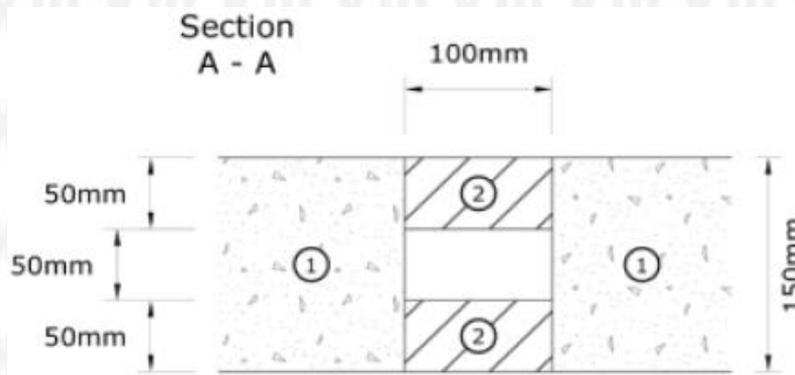
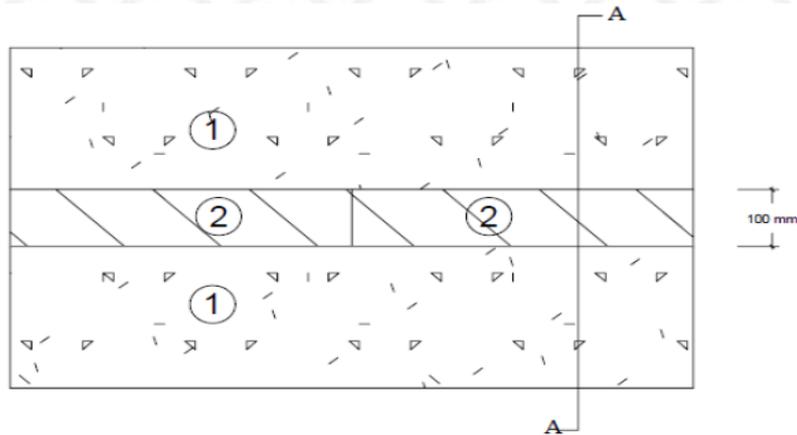
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Linear joint or gap seals with 2 x 50 mm thick PFC Corofil Linear Gap Strip

Joint System: PFC Corofil Linear Gap Strips, compress fitted within the aperture and flush to both sides of the floor. Minimum separation between linear joint seals of 50 mm in minimum 150 mm thick floors.

Construction details:



1. 150 mm lightweight rigid floor
2. PFC Corofil Linear Gap Strip

Substrate	Min. Depth (mm)	Seal Material*	Classification
Masonry / concrete	2 x 50	Stone mineral wool 110kg/m ³ , compress fitted by approximately 5 mm.	E 120 – H – X – F – W 10 to W 100, EI 60 – H – X – F – W 10 to W 100

*Minor irregularities (≤ 5 mm) on each face to be sealed with PFC Corofil Acoustic Intumescent Sealant to a min. depth of 10 mm.



Appendix UL-EU Certificate

Certification Mark	UL-EU mark
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The UL-EU Mark, as displayed below, shall appear on certified products only. Minimum size is not specified, as long as the Mark is legible. The following is suggested.



The minimum height of the registered trademark symbol ® shall be 1 mm. When the overall diameter of the UL-EU Mark is less than 9.5 mm, the trademark symbol may be omitted if it is not legible to the naked eye.

The UL-EU Mark may appear on a label, nameplate, or may be cast, stamped or molded into the product. When appearing on a label or nameplate, the Manufacturer's name or trademark along with a model number are also required on that same label or nameplate. If cast, stamped or molded, the Manufacturer's name or trademark and model number shall also appear elsewhere on the product.

All content shall be in accordance with the details provided on this UL-EU Certificate.

PROCUREMENT

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