UL-EU CERTIFICATE

Certificate No. UL-EU-01169-CPR

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Date of Issue 2021-03-29

Certificate Holder PFC Corofil

Units 3 & 4 King Georges Industrial Estate,

Davis Road, Chessington, KT9 1TT

Manufacturer A/008

Certified Product Type Fire Stop – Coated Board

Product Trade Name PFC Corofil Coated Panel System

Trademark N/A

Rating/Classification See Appendix

Harmonised Technical Specifications ETAG 026-2 / EN 13501-2 / EN 13501-3

Expiry date 2031-03-28





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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.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 Coated Panel System for fire stopping where services penetrate floors and walls. The detailed scope is given in pages 3 to 156 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 1366-3: 2009 & EN 1366-1: 2000
- iii) Classification in accordance with EN 13501-2 & EN 13501-3
- iv) Durability and Servicability as defined in ETAG 026-2

The durability class of PFC Corofil Coated Panel System is Z₁ -

intended for use at internal conditions with high humidity, excluding temperatures below $0^{\circ} C$

VOC test report – Indoor Air Comfort GOLD® referenced – eurofins 392-2017-00008801_A_EN, is also available.

Fire resisting & smoke extraction ducts penetrating the PFC Corofil Coated Panel System shall be classified (EN13501-3/4) for the required performance period, in addition to the details given on page 156.



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Product-type: Coated board	Intended use: Penet	
Basic requirement for construction work	Basic Requirement	Basic requirement for construction work
Vii. Vii. Viil	BWR 1 Mechanical resistance and stabili	ty
人に人に人い	None	
\times	BWR 2 Safety in case of fire	$\times \times \times \times$
EN 13501-1	Reaction to fire	Class E
EN 13501-2	Resistance to fire	See pages 7 to 156
VII. VII. VII.	BWR 3 Hygiene, health and environmen	t
EN 1026:2000	Air permeability (material property)	See page 4
ETAG 026-3, Annex C	Water permeability (material property)	No performance determined
Declaration of manufacturer	Release of dangerous substances	Declaration of manufacturer
$\times \times \times$	BWR 4 Safety in use	$\langle \times \times \rangle$
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 ISO 11600	Adhesion	No performance determined
$\times \times \times$	BWR 5 Protection against noise	$\langle \times \times \rangle$
EN 10140-2/ EN ISO 717-1	Airborne sound insulation	Rw (C;C _{tr})= 24(-2;-3) and See pages 5&6
EN 10140-3/ EN ISO 717-2	Impact sound insulation	No performance determined
XULXULXU	BWR 6 Energy economy and heat retention	on
EN 12664, EN 12667 or EN 12939	Thermal properties	No performance determined
EN ISO 12572 EN 12086	Water vapour permeability	No performance determined
Y Up Y Up Y Up	General aspects relating to fitness for us	e
ISO 8339: 2005, ISO 9046: 2004 & ISO 7389: 2003	Durability and serviceability	Z_{l}
В	WR 7 Sustainable use of natural resource	ces
\times		No performance determined



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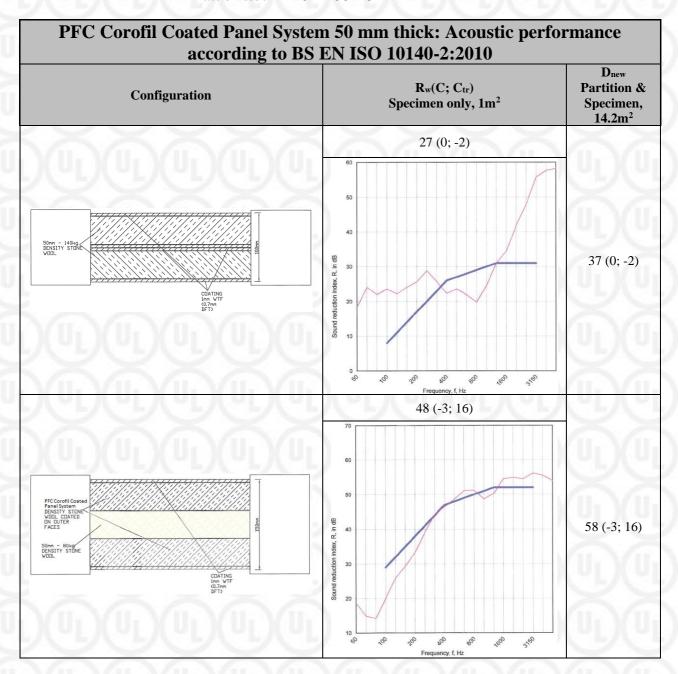
PFC Corofil Coated Panel System 50 mm thick: Air Permeability according BS EN 1026				
Drassura (Da)	Results under positive chamber pressure		tesults under positive chamber pressure Results under negative chamber pr	
Pressure (Pa)	Leakage (m³/h)	Leakage (m³/m²/ h)	Leakage (m³/h)	Leakage (m³/m²/ h)
50	0.6	0.8	1.1	1.5
100	1.0	1.4	1.3	1.8
150	2.8	3.9	1.5	2.1
200	3.8	5.3	1.9	2.6
250	4.5	6.3	2.0	2.8
300	5.0	6.9	2.4	3.3
450	5.1	7.1	1.9	2.6
600	67	0.2	2.2	2.1



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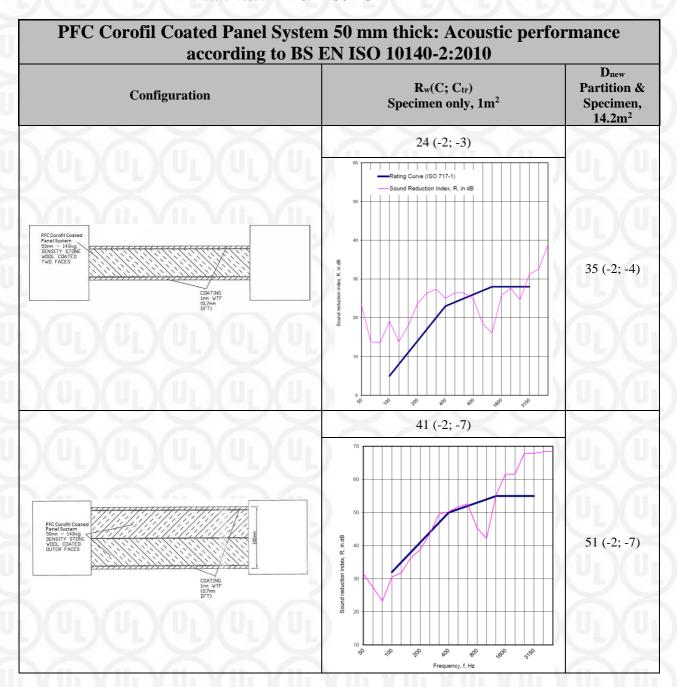




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Rigid Walls Minimum Thickness 70mm

Single Layer Pattress PFC Corofil Coated Panel System 50mm, Electrical Cables

Max Aperture 730mm Wide x 1200mm High 1. Supporting Construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Service Penetration 000 \triangleleft Classification Service(s) 500mm wide x 60mm deep steel cable basket containing 3 x type 'B' cable and 20 x bundle of telecoms cables EI 90 500mm wide x 60mm deep steel cable tray containing 1 x type 'B' cable, 3 x type 'A1' cable, 3 x type 'A2' cable, and 3 x type 'A3' cable

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed on all edges. Overlap of batts to substrate min 50mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres



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Single Layer Pattress PFC Corofil Coated Panel System 50mm, Electrical Cables and Conduits

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed on all edges.

Service(s)	Classification

Overlap of batts to substrate min 50mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres



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Single Layer Pattress PFC Corofil Coated Panel System 50mm, Electrical Cables

Max Aperture 2600mm Wide x 2600mm High 1. Supporting Construction 2. PFC Corofil Acoustic **Intumescent Sealant** PFC Corofil Coated Panel System 4. Service Penetration Classification Service(s) 500mm wide x 60mm deep steel cable basket containing 3 x type 'B' cable and 20 x bundle of telecoms cables EI 60 500mm wide x 60mm deep steel cable tray containing 1 x type 'B' cable, 3 x type 'A1' cable, 3 x type 'A2' cable, and 3 x type 'A3' cable

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed on all edges. Overlap of batts to substrate min 50mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres



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Single Layer Pattress PFC Corofil Coated Panel System 50mm, Electrical Cables and Conduits

1	Key 1. Supporting Constructio 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Service Penetration
ervice(s)	Classification

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed on all edges. Overlap of batts to substrate min 50mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres



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Rigid Walls Minimum Thickness 75mm

Single Layer Pattress PFC Corofil Coated Panel System 50mm, Electrical Cables and Cable Trunking

75	Kay
75	 Key Supporting Construction PFC Corofil Acoustic Intumescent Sealant PFC Corofil Coated Panel System Insulation Service Penetration
Service(s)	Classification
150mm x 150mm Insulated steel cable trunking, Stone Wool 40mm thick, 45kg/m³ (LI 400mm). PFC Corofil Intumescent Pillows tightly fitted around the cables in the section of trunking within the depth of the partition	EI 60 U/U
Cables 1xB1, 1xC1, 1xG1, 1xG2 Cables 1xB1 Cables 1xC1	EI 60

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 50mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres



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Single Layer Pattress PFC Corofil Coated Panel System 50mm, Electrical Cables and Cable Trunking

_[75 _]	Key 1. Supporting Construction
3/11-3/11	2. PFC Corofil Acoustic
	Intumescent Sealant
	3. PFC Corofil Coated
	Panel System 4. Insulation
	5. Service Penetrations
1_ 3-2-	5. Service Felletrations
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	N/II.N/II.N/I
Service(s)	Classification
	$\langle \times \times \rangle$
50mm x 50mm Insulated steel cable trunking, Stone Wool 40mm thick, 45kg/m³ (LI 400mm).	VIII VIII VI
PFC Corofil Intumescent Pillows tightly fitted around the cables in the section of trunking	EI 60 U/U
Cables 1xA1, 1xA2, 1xA3	VII.VII.VI
within the depth of the partition Cables 1xA1, 1xA2, 1xA3 Cables 1xA1 Cables 1xA2	EI 60

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 50mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres



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Single Layer PFC Corofil Coated Panel System 50mm, Plastic Pipes

Max Aperture 600mm Wide x 600mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)

Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel

System

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Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Service Penetration

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification	
PVC Pipe 32mm Ø, 1.8mm wall thickness	32mm		
PVC Pipe 40mm Ø, 1.8mm wall thickness	40mm	EI 60 U/C	
PVC Pipe 50mm Ø, 1.8mm wall thickness	50mm		
PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness	55mm		
PVC Pipe 63mm Ø, 2.3-3mm wall thickness	63mm		
PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness	75mm		
PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	82mm		
PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness	90mm		
PVC Pipe 100mm Ø, 4.2-7.4mm wall thickness	100mm		
PVC Pipe 110mm Ø, 4.2-7.4mm wall thickness	110mm		
PVC Pipe 125mm Ø, 6mm wall thickness	125mm		
PVC Pipe 140mm Ø, 6.1-7.5mm wall thickness	140mm		

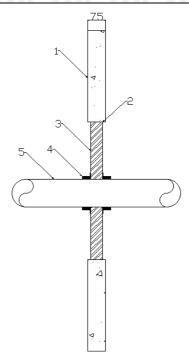


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Max Aperture 600mm Wide x 600mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)
Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel
System



Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Service Penetration

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification	
PE Pipe 32mm Ø, 2.9mm wall thickness	32mm		
PE Pipe 40mm Ø, 2.9mm wall thickness	40mm		
PE Pipe 50mm Ø, 2.9mm wall thickness	50mm		
PE Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	$(U_L)(U_L)(U_L)$	
PE Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm		
PE Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm		
PE Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	EI 60 U/C	
PE Pipe 90mm Ø, 2.7-10mm wall thickness	90mm		
PE Pipe 100mm Ø, 2.7-10mm wall thickness	100mm		
PE Pipe 110mm Ø, 2.7-10mm wall thickness	110mm		
PE Pipe 125mm Ø, 3.1mm wall thickness	125mm		
PE Pipe 140mm Ø, 3.9-5.8mm wall thickness	140mm		
PE Pipe 160mm Ø, 4.9-9.5mm wall thickness	160mm		



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Max Aperture 600mm Wide x 600mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)

Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel

System

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Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Service Penetration

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PP Pipe 32mm Ø, 2.9mm wall thickness	32mm	
PP Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PP Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PP Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PP Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PP Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PP Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	EI 60 U/C
PP Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PP Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PP Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PP Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PP Pipe 140mm Ø, 3.5-8mm wall thickness	140mm	
PP Pipe 160mm Ø, 4-14.6mm wall thickness	160mm	



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Rigid Walls Minimum Thickness 100mm

Double Layer PFC Corofil Coated Panel System 50mm, Electrical Cables and Conduits

	Key
	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Pan System 4. Service Penetration
Service(s)	Classification
Electrical cables 0mm to 21mm dia	EI 60
Electrical cables 0mm to 21mm dia Electrical cables 22mm to 50mm dia	E 60
11 N / 11 N	E 60 EI 45 E 60 EI 30
Electrical cables 22mm to 50mm dia Electrical cables 51mm to 80mm dia Cable Trays and Ladders	E 60 EI 45 E 60
Electrical cables 22mm to 50mm dia Electrical cables 51mm to 80mm dia Cable Trays and Ladders 100 mm diameter bundle telecommunication cable type "F"	E 60 EI 45 E 60 EI 30 E 60 EI 45
Electrical cables 22mm to 50mm dia Electrical cables 51mm to 80mm dia Cable Trays and Ladders	E 60 EI 45 E 60 EI 30 E 60
Electrical cables 22mm to 50mm dia Electrical cables 51mm to 80mm dia Cable Trays and Ladders 100 mm diameter bundle telecommunication cable type "F"	E 60 EI 45 E 60 EI 30 E 60 EI 45



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Double Layer PFC Corofil Coated Panel System 50mm, Insulated Metallic Pipes

Max Aperture 730mm Wide x 1200mm High	
100	Key 1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service 6. PFC Corofil High Expansion Intumescent Sealant
Service(s)	Classification
¹ Single copper or mild steel pipe 40mm diameter and 1.5 – 14.2 mm wall with sustained/continuous 20mm thick foil faced glass wool insulation (min 80Kg/m ³)	E 90 U/C EI 60 U/C
¹ Single copper or mild steel pipe 40-159mm diameter and 1.5 – 14.2 mm wall (see graph below) with sustained/continuous 30mm thick foil faced glass wool insulation (min 80Kg/m³)	EI 60 U/C

¹15mm deep x 15mm wide annulus PFC Corofil High Expansion Intumescent Sealant to both faces of the pipe

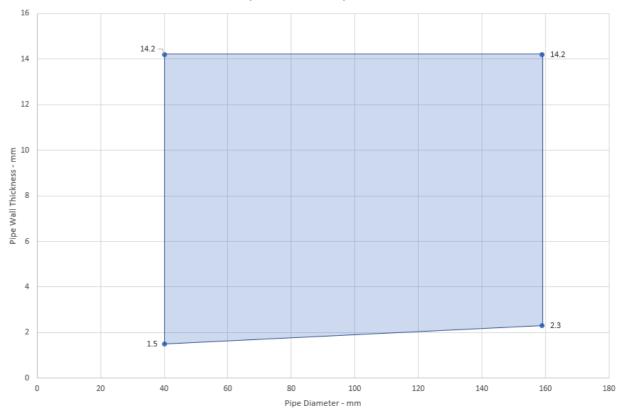


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Permitted Pipe Diameter vs Pipe Wall Thickness





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5 4			Key 1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. PFC Corofil High Expansior Intumescent Sealant 5. Insulation 6. Penetration Service
)(U _L)(U _L)(U	Service(s)	(4)(4)(4	Classification

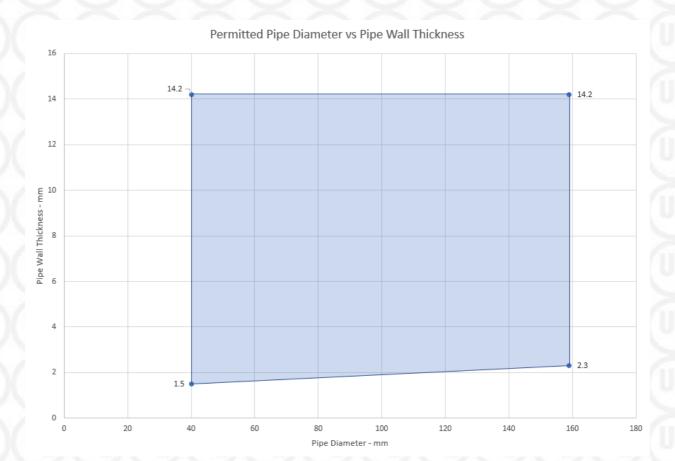
¹15mm deep x 15mm wide annulus PFC Corofil High Expansion Intumescent Sealant to both faces of the pipe



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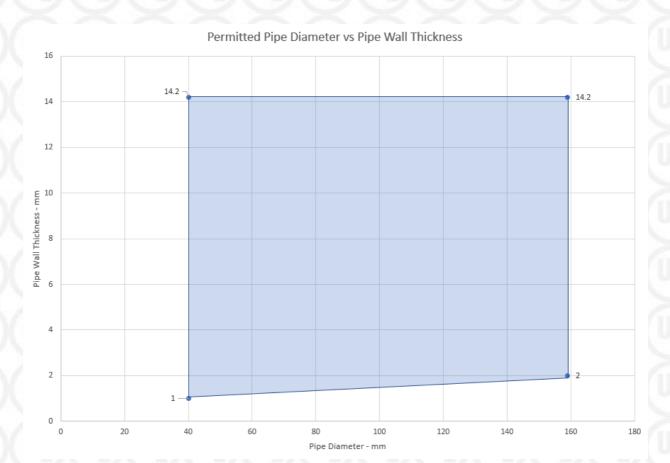
100	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service
Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 1.0mm – 14.2mm wall thickness (see graph below). 25mm thick foil faced glassfibre insulation min. 30kg/m³ (C/S)	E 120 C/U EI 45 C/U
Steel or Copper Pipe 42mm Ø, 1mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m³ (C/S)	E 120 C/U EI 60 C/U



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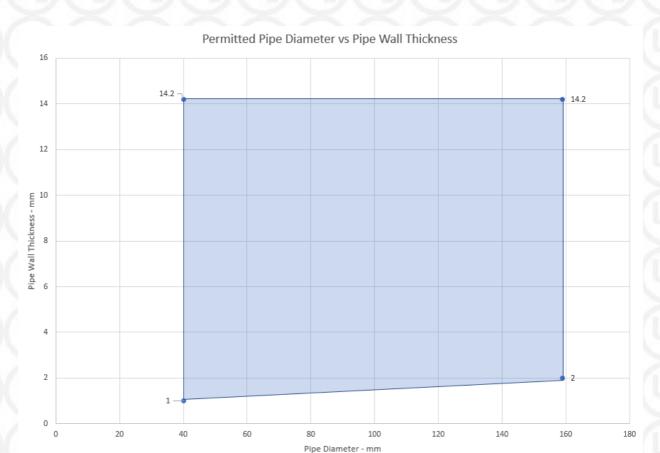
x Aperture 2600mm Wide x 2600mm High	<u>Key</u>
100	 Supporting construction PFC Corofil Acoustic Intumescent Sealant PFC Corofil Coated Panel
3.	System
	4. Insulation5. Penetration Service
2 7	3. Felletration Service
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VII	. Mii, Mii, Mii, Mii, M
Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 1.0mm – 14.2mm wall thickness (see	e graph E 60 C/U
below). 25mm thick foil faced glassfibre insulation min. 30kg/m ³ (C	
Steel or Copper Pipe 42mm Ø, 1mm – 14.2mm wall thickness. 25mm th	ick foil E 60 C/U
faced glassfibre insulation min. 30kg/m ³ (C/S)	EI 60 C/U



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Max Aperture 730mm Wide x 1200mm High	
(Penetrations positioned as per option 1 or 2 below, 0mm distance between ser	
	Key 1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. PFC Corofil Ablative Coating 5. Penetration Service
Service(s)	Classification
Steel or Copper Pipe 108mm Ø, 1.5mm – 14.2mm wall thickness, 50mm thick foil faced stonewool insulation min. 100kg/m³ (L/I 500mm) Steel or Copper Pipe 108mm Ø, 1.5mm – 14.2mm wall thickness, 50mm thick foil faced stonewool insulation min. 100kg/m³ (C/I)	E 120 C/U EI 45 C/U E 120 C/U EI 60 C/U
Steel or Copper Pipe 42-159mm Ø, 1.0mm – 14.2mm wall thickness (see graph below), 40mm thick foil faced stonewool insulation min. 40kg/m³ (L/I 400mm)	EI 45 C/U
Steel 42-324mm Ø, 16mm wall thickness. 40mm thick foil faced stonewool insulation min. 40kg/m³ (L/I 400mm)	EI 45 C/U
Steel or Copper Pipe 42mm Ø, 1.0mm – 14.2mm wall thickness, PFC Corofil	E 120 C/U
Ablative Coating along the penetration 2mm DFT (L/I 300mm)	EI 45 C/U
Steel or Copper Pipe 42-159mm Ø, 1.0mm – 14.2mm wall thickness (see graph	E 120 C/U
below), PFC Corofil Ablative Coating along the penetration 2mm DFT (L/I 300mm)	EI 20 C/U
Steel 42-324mm Ø, 16mm wall thickness. 14.2mm wall thickness PFC Corofil	E 120 C/U
Ablative Coating along the penetration 2mm DFT (L/I 300mm)	EI 45 C/U

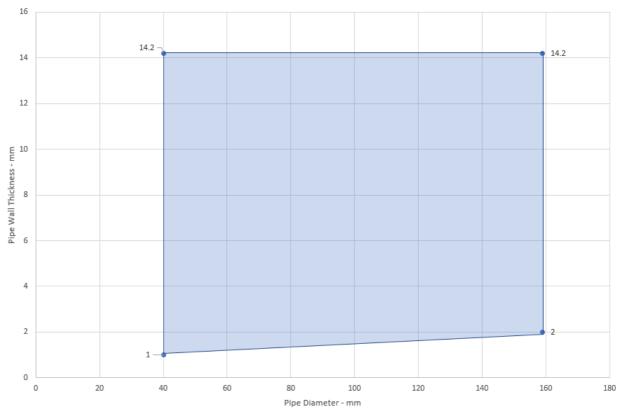


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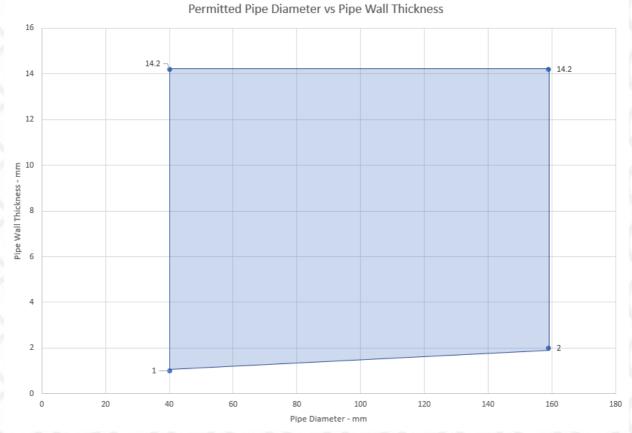
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Max Aperture 2600mm Wide x 2600mm High (Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal) Key 100 Supporting construction PFC Corofil Acoustic Intumescent Sealant PFC Corofil Coated Panel System Insulation 5. Penetration Service 2 Classification Service(s) Steel or Copper Pipe 108mm Ø, 1.5mm – 14.2mm wall thickness 50mm thick foil E 60 C/U faced stonewool insulation min. 100kg/m³ (L/I 500mm) EI 45 C/U Steel or Copper Pipe 108mm Ø, 1.5mm – 14.2mm wall thickness, 50mm thick foil EI 60 C/U faced stonewool insulation min. 100kg/m³ (C/I) Steel or Copper Pipe 42-159mm Ø, 1.0mm – 14.2mm wall thickness (see graph EI 45 C/U below), 40mm thick foil faced stonewool insulation min. 40kg/m³ (L/I 400mm) Steel 42-324mm Ø, 16mm wall thickness. 40mm thick foil faced stonewool EI 45 C/U insulation min. 40kg/m^3 (L/I 400 mm) Steel or Copper Pipe 42mm Ø, 1.0mm – 14.2mm wall thickness, PFC Corofil E 60 C/U Ablative Coating along the penetration 2mm DFT (L/I 300mm) EI 45 C/U Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness (see graph E 60 C/U below), PFC Corofil Ablative Coating along the penetration 2mm DFT (L/I 300mm) EI 20 C/U Steel 42-324mm Ø, 16mm wall thickness. 14.2mm wall thickness PFC Corofil E 60 C/U Ablative Coating along the penetration 2mm DFT (L/I 400mm) EI 45 C/U



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Max Aperture 750mm Wide x 1200mm High		
1 100	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service 6. PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap	
Service(s)	Classification	
¹ Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm	E 120 C/U	
thick K Flex ST Insulation ² (C/S)	EI 60 C/U	
¹ Steel or Copper Pipe 42mm Ø, 1 – 14.2mm wall thickness. 25-13mm thick K Flex	E 120 C/U	
ST insulation ² (C/S)	EI 90 C/U	
¹ Steel or Copper Pipe 42-108mm Ø, 1.2 – 14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM insulation ³ (C/S)	E 120 C/U EI 60 C/U	
¹ Steel or Copper Pipe 42mm Ø, 1–14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM insulation ³ (C/S)	E 120 C/U EI 90 C/U	
¹ Steel or Copper Pipe 42mm Ø, 1.0–14.2mm wall thickness. 50mm thick glassfibre insulation (C/S)	E 120 C/U EI 90 C/U	

¹2 x 2mm thick layers of PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap installed both sides of the PFC Corofil Coated Panel System



²Or equivalent elastomeric pipe insulation classified BL − s2, d0 or better to EN 13501-1

³Or equivalent Phenloic foam pipe insulation classified BL – s1, d0 or better to EN 13501-1

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Max Aperture 2600mm Wide x 2600mm Hi	gh
1 1 2 4 4 4 4 5	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service 6. PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap
Service(s)	Classification
¹ Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST Insulation ² (C/S)	EI 60 C/U
¹ Steel or Copper Pipe 42mm Ø, 1 – 14.2mm wall thickness. 25-13mm thick K Flex ST insulation ² (C/S)	EI 60 C/U
¹ Steel or Copper Pipe 42-108mm Ø, 1.2 – 14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM insulation ³ (C/S)	EI 60 C/U
¹ Steel or Copper Pipe 42mm Ø, 1–14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM insulation ³ (C/S)	EI 60 C/U
¹ Steel or Copper Pipe 42mm Ø, 1.02–14.2mm wall thickness. 50mm thick glassfibre insulation (C/S)	EI 60 C/U

 $^{^12}$ x 2mm thick layers of PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap installed both sides of the PFC Corofil Coated Panel System

(II)

²Or equivalent elastomeric pipe insulation classified BL − s2, d0 or better to EN 13501-1

 $^{^3}$ Or equivalent Phenloic foam pipe insulation classified BL - s1, d0 or better to EN 13501-1

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Max Aperture 730mm Wide x 1200mm High		
100	Key 1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. PFC Corofil High Expansion Intumescent Sealant 5. Penetration Service	
Service(s)	Classification	
¹ 6 off Steel or Copper Pipe 22mm Ø, 0.9mm – 14.2mm wall thickness. 19mm thick Armaflex ² (L/S 400mm)	EI 90 C/U	
¹ 500mm steel cable tray	E 90 EI 15	

 $^{^1\!}PFC$ Corofil High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the PFC Corofil Coated Panel System



 $^{^2\!}Or$ equivalent elastomeric pipe insulation classified BL - s2, d0 or better to EN 13501-1

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Max Aperture 2600mm Wide x 2600mm High		
100 100 2	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. PFC Corofil High Expansion Intumescent Sealant 5. Penetration Service	
Service(s)	Classification	
¹ 6 off Steel or Copper Pipe 22mm Ø, 0.9mm − 14.2mm wall thickness. 19mm thick Armaflex ² (L/S 400mm)	E1 60 C/U	
¹ 500mm steel cable tray	E 60 EI 15	

 $^{^1\!}PFC$ Corofil High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the PFC Corofil Coated Panel System



²Or equivalent elastomeric pipe insulation classified BL – s2, d0 or better to EN 13501-1

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Double Layer PFC Corofil Coated Panel System50mm, Plastic Pipes

Max Aperture 730mm Wide x 1200mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)

Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel

System

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<u>Key</u>

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Penetration Service

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness	32mm	EI 120 U/C
PVC Pipe 40mm Ø, 1.8mm wall thickness	40mm	
PVC Pipe 50mm Ø, 1.8mm wall thickness	50mm	
PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness	55mm	
PVC Pipe 63mm Ø, 2.3-3mm wall thickness	63mm	
PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness	75mm	
PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	82mm	
PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness	90mm	
PVC Pipe 100mm Ø, 4.2-7.4mm wall thickness	100mm	
PVC Pipe 110mm Ø, 4.2-7.4mm wall thickness	110mm	
PVC Pipe 125mm Ø, 6mm wall thickness	125mm	
PVC Pipe 140mm Ø, 6.1-7.5mm wall thickness	140mm	

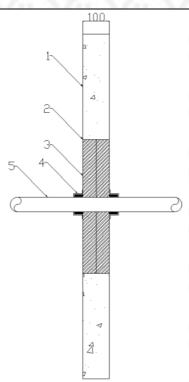


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Max Aperture 2600mm Wide x 2600mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal) Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel System



Key

- Supporting construction PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- PFC Corofil Intumescent Pipe Collar
- Penetration Service

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness	32mm	\times \times \times
PVC Pipe 40mm Ø, 1.8mm wall thickness	40mm	
PVC Pipe 50mm Ø, 1.8mm wall thickness	50mm	
PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness	55mm	
PVC Pipe 63mm Ø, 2.3-3mm wall thickness	63mm	
PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness	75mm	
PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	82mm	EI 60 U/C
PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness	90mm	
PVC Pipe 100mm Ø, 4.2-7.4mm wall thickness	100mm	
PVC Pipe 110mm Ø, 4.2-7.4mm wall thickness	110mm	
PVC Pipe 125mm Ø, 6mm wall thickness	125mm	
PVC Pipe 140mm Ø, 6.1-7.5mm wall thickness	140mm	
PVC Pipe 160mm Ø, 6.2-9.5mm wall thickness	160mm	



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Max Aperture 730mm Wide x 1200mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)
Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel System

Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Penetration Service

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PP Pipe 32mm Ø, 2.9mm wall thickness	32mm	EI 120 U/C
PP Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PP Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PP Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PP Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PP Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PP Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	
PP Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PP Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PP Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PP Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PP Pipe 140mm Ø, 3.5-8mm wall thickness	140mm	
PP Pipe 160mm Ø, 4-14.6mm wall thickness	160mm	

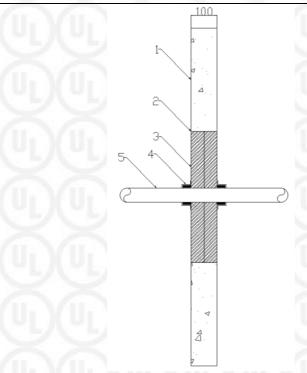


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Max Aperture 2600mm Wide x 2600mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)
Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel System



Key

- 1. Supporting construction
- . PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Penetration Service

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PP Pipe 32mm Ø, 2.9mm wall thickness	32mm	EI 60 U/C
PP Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PP Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PP Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PP Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PP Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PP Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	
PP Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PP Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PP Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PP Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PP Pipe 140mm Ø, 3.5-8mm wall thickness	140mm	
PP Pipe 160mm Ø, 4-14.6mm wall thickness	160mm	



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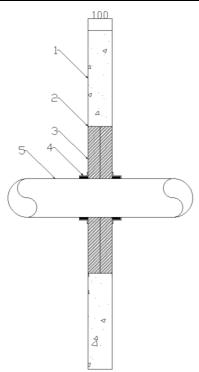
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Max Aperture 730mm Wide x 1200mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)

Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel

System



Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Penetration Service

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PE Pipe 32mm Ø, 2.9mm wall thickness	32mm	
PE Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PE Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PE Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PE Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PE Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PE Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	EI 120 U/C
PE Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PE Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PE Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PE Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PE Pipe 140mm Ø, 3.9-5.8mm wall thickness	140mm	
PE Pipe 160mm Ø, 4.9-9.5mm wall thickness	160mm	



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Max Aperture 2600mm Wide x 2600mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)

Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel

System

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Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Penetration Service

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PE Pipe 32mm Ø, 2.9mm wall thickness	32mm	
PE Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PE Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PE Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PE Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PE Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PE Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	EI 60 U/C
PE Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PE Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PE Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PE Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PE Pipe 140mm Ø, 3.9-5.8mm wall thickness	140mm	
PE Pipe 160mm Ø, 4.9-9.5mm wall thickness	160mm	



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Double Layer PFC Corofil Coated Panel System50mm, Insulated Plastic Pipes

Max Aperture 7 (Penetrations positioned as per option 1 or 2 below	30mm Wide x 1200mm High w, 100mm distance between servi	
		 Supporting construction PFC Corofil Acoustic Intumescent Sealant PFC Corofil Coated Panel System PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap Insulation Penetration Service
Service(s)	PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap Ref	Classification
PVC Pipe 40mm Ø, 1.9mm wall thickness. 25 mm	3 x 2mm thickness	
thick Kingspan Kooltherm FM ³ insulation (C/S) PVC Pipe 40mm Ø, 3mm wall thickness. 15 mm thick Kingspan Kooltherm FM ³ insulation (C/S)	3 x 2mm thickness	E 120 U/C EI 90 U/C
PVC Pipe 110mm Ø, 4.2mm wall thickness. 25 mm thick Kingspan Kooltherm FM ³ insulation (C/S)	5 x 2mm thickness	EI 120 U/C
PVC Pipe 110mm Ø, 6.6mm wall thickness. 20 mm thick Kingspan Kooltherm FM ³ insulation (C/S)	5 x 2mm thickness	E 120 U/C EI 90 U/C
PVC Pipe 40mm Ø, 1.9mm wall thickness. 32 mm thick Armacell Armaflex Class O ² (C/S)	3 x 2mm thickness	E 120 U/C
PVC Pipe 40mm Ø, 3mm wall thickness. 9 mm thick Armacell Armaflex Class O ² (C/S)	3 x 2mm thickness	EI 20 U/C EI 90 U/C
PVC Pipe 110mm Ø, 4.2mm wall thickness. 32 mm thick Armacell Armaflex Class O ² (C/S)	5 x 2mm thickness	EI 120 U/C
PVC Pipe 110mm Ø, 6.6mm wall thickness. 13 mm thick Armacell Armaflex Class O ² (C/S)	5 x 2mm thickness	E 120 U/C EI 90 U/C

¹PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap secured internally within both faces of the PFC Corofil Coated Panel System



 $^{^2}$ Or equivalent elastomeric pipe insulation classified BL – s2, d0 or better to EN 13501-1

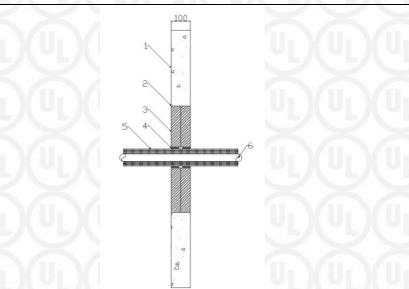
³Or equivalent Phenloic foam pipe insulation classified BL – s1, d0 or better to EN 13501-1

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Max Aperture 2600mm Wide x 2600mm High

(Penetrations positioned as per option 1 or 2 below, 100mm distance between services and 50mm to edge of seal)



Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- PFC Corofil Coated Panel System
- 4. PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap
- 5. Insulation
- 6. Penetration Service

Service(s)	PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap Ref	Classification
PVC Pipe 40mm Ø, 1.9mm wall thickness. 25 mm thick Kingspan Kooltherm FM insulation ³ (C/S)	3 x 2mm thickness	
PVC Pipe 40mm Ø, 3mm wall thickness. 15 mm thick Kingspan Kooltherm FM ³ insulation (C/S)	3 x 2mm thickness	EI 60 U/C
PVC Pipe 110mm Ø, 4.2mm wall thickness. 25 mm thick Kingspan Kooltherm FM ³ insulation (C/S)	5 x 2mm thickness	EI 60 U/C
PVC Pipe 110mm Ø, 6.6mm wall thickness. 20 mm thick Kingspan Kooltherm FM ³ insulation (C/S)	5 x 2mm thickness	EI 60 U/C
PVC Pipe 40mm Ø, 1.9mm wall thickness. 32 mm thick Armacell Armaflex Class O ² (C/S)	3 x 2mm thickness	
PVC Pipe 40mm Ø, 3mm wall thickness. 9 mm thick Armacell Armaflex Class O ² (C/S)	3 x 2mm thickness	EI 60 U/C
PVC Pipe 110mm Ø, 4.2mm wall thickness. 32 mm thick Armacell Armaflex Class O ² (C/S)	5 x 2mm thickness	EI 60 U/C
PVC Pipe 110mm Ø, 6.6mm wall thickness. 13 mm thick Armacell Armaflex Class O ² (C/S)	5 x 2mm thickness	EI 60 U/C

¹PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap secured internally within both faces of the PFC Corofil Coated Panel System



²Or equivalent elastomeric pipe insulation classified BL – s2, d0 or better to EN 13501-1

³Or equivalent Phenloic foam pipe insulation classified BL – s1, d0 or better to EN 13501-1

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Single Layer Pattress, PFC Corofil Coated Panel System50mm, Electrical Cables and Conduits

Max Aperture 750mm Wide x 1200mm High	
100 2 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Key 1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service
Service(s)	Classification
² Electrical cables upto 80mm Ø	U_)(U_)(U_)(U_)
² Cable Trays and Ladders	
² 100 mm diameter bundle telecommunication cable type "F"	EI 120
² Unsheathed electrical cables up to 24mm Ø	
² Steel or Copper Conduits up to 16mm Ø	\times
² Plastic conduits up to 16mm Ø	TUT AY UL AY UL AY UL AY

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres



²Cables and cable trays wrapped with a single layer of 40mm thick, 40kg/m³ Stonewool (L/I 300mm)

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Max Aperture 2600mm Wide x 2600mm	n High
	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service
Service(s)	Classification
² Electrical cables upto 80mm Ø	
² Cable Trays and Ladders	11. VII. VII. VII. VII. V
² 100 mm diameter bundle telecommunication cable type "F"	TI (0
² Unsheathed electrical cables up to 24mm Ø	EI 60
² Steel or Copper Conduits up to 16mm Ø	

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres



²Cables and cable trays wrapped with a single layer of 40mm thick, 40kg/m³ Stonewool (L/I 300mm)

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Single Layer Pattress, PFC Corofil Coated Panel System50mm, Insulated Metallic Pipes

Max Aperture 750mm Wide x 1200mm High	X UL X UL X UL X U
	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap 5. Insulation 6. Penetration Service
Service(s)	Classification
ツ く フ く ツ く ツ く ラ く ラ く ツ く ツ く ツ	
² Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST Insulation ³ (C/S) ² Steel or Copper Pipe 42-159mm Ø, 1.2 – 14.2mm wall thickness. 25mm thick K Flex ST insulation ³ (C/S)	E 120 C/U EI 60 C/U E 120 C/U
K Flex ST Insulation ³ (C/S) ² Steel or Copper Pipe 42-159mm Ø, 1.2 – 14.2mm wall thickness. 25mm thick K Flex ST insulation ³ (C/S) ² Steel or Copper Pipe 42mm Ø, 1 – 14.2mm wall thickness. 25-13mm thick K Flex ST	EI 60 C/U
K Flex ST Insulation ³ (C/S) ² Steel or Copper Pipe 42-159mm Ø, 1.2 – 14.2mm wall thickness. 25mm thick K Flex ST insulation ³ (C/S)	EI 60 C/U E 120 C/U EI 90 C/U
K Flex ST Insulation ³ (C/S) ² Steel or Copper Pipe 42-159mm Ø, 1.2 – 14.2mm wall thickness. 25mm thick K Flex ST insulation ³ (C/S) ² Steel or Copper Pipe 42mm Ø, 1 – 14.2mm wall thickness. 25-13mm thick K Flex ST insulation ³ (C/S) ² Steel or Copper Pipe 42-108mm Ø, 1.2 – 14.2mm wall thickness. 25 -40mm thick	EI 60 C/U E 120 C/U EI 90 C/U EI 120 C/U EI 120 C/U

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.



²2 x 2mm thick layers of PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap installed both sides of the substrate within the Pattress installation

³Or equivalent elastomeric pipe insulation classified BL – s2, d0 or better to EN 13501-1

⁴Or equivalent Phenloic foam pipe insulation classified BL – s1, d0 or better to EN 13501-1

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Max Aperture 2600mm Wide x 2600mm High	1/	Va Va Va
		Supporting construction PFC Corofil Acoustic Intumescent Sealant PFC Corofil Coated Panel System PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap Insulation Penetration Service
Service(s)	M	Classification
 ²Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST³ Insulation (C/S) ²Steel or Copper Pipe 42-159mm Ø, 1.2 – 14.2mm wall thickness. 25mm thick K Flex ST³ insulation (C/S) ²Steel or Copper Pipe 42mm Ø, 1 – 14.2mm wall thickness. 25-13mm thick K Flex ST³ insulation (C/S) ²Steel or Copper Pipe 42-108mm Ø, 1.2 – 14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM⁴ insulation (C/S) ²Steel or Copper Pipe 42mm Ø, 1–14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM⁴ insulation (C/S) ²Steel or Copper Pipe 42mm Ø, 1.2–14.2mm wall thickness. 50mm thick glassfibre 		EI 60 C/U

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.



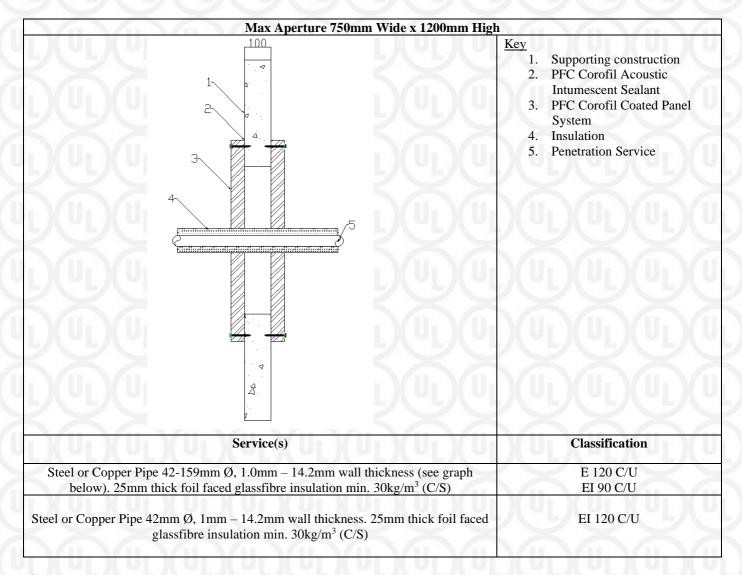
²2 x 2mm thick layers of PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap installed both sides of the substrate within the Pattress installation

³Or equivalent elastomeric pipe insulation classified BL − s2, d0 or better to EN 13501-1

 $^{^4}$ Or equivalent Phenloic foam pipe insulation classified BL - s1, d0 or better to EN 13501-1

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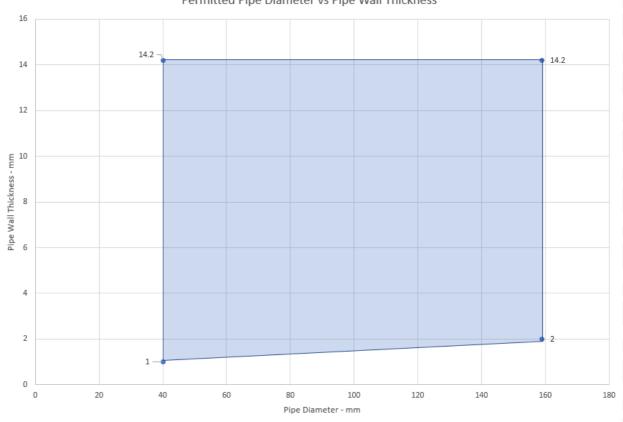
¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.



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Permitted Pipe Diameter vs Pipe Wall Thickness





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Max Aperture 2600mm Wide x 2600mm High	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service
Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 1.0mm – 14.2mm wall thickness (see graph below). 25mm thick foil faced glassfibre insulation min. 30kg/m³ (C/S)	EI 60 C/U
Steel or Copper Pipe 42mm Ø, 1mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m³ (C/S)	EI 60 C/U

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.

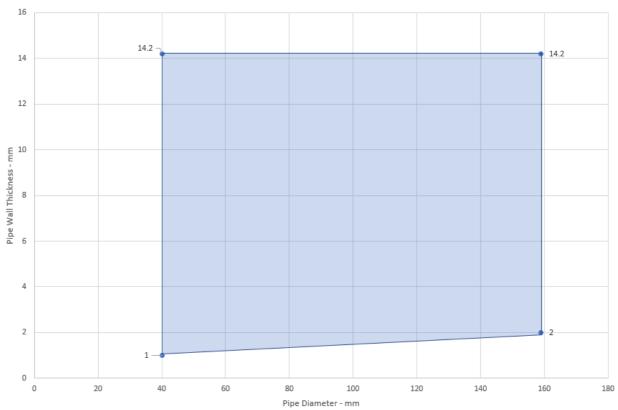


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Single Layer Pattress, PFC Corofil Coated Panel System 50mm, Plastic Pipes

(Penetrations positioned as per option 1 or 2 below, 0		(sey
100 11 2 2 3 4		Supporting construction PFC Corofil Acoustic Intumescent Sealant PFC Corofil Coated Pane System PFC Corofil Intumescent Pipe Collar Penetration Service
Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
Service(s)		Classification
Service(s) PVC Pipe 32mm Ø, 1.8mm wall thickness	Intumescent Pipe Collar Ref	Classification
Service(s)	Intumescent Pipe Collar Ref 32mm	Classification
Service(s) PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm	Classification
Service(s) PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm	Classification
Service(s) PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm	૫) (૫) (૫) (૫) (૫) (૫) (૫)
Service(s) PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm	Classification EI 120 U/C
Service(s) PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm 75mm	૫) (૫) (૫) (૫) (૫) (૫) (૫)
Service(s) PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm	૫) (૫) (૫) (૫) (૫) (૫) (૫)
Service(s) PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness PVC Pipe 63mm Ø, 3.1-4.8mm wall thickness PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm 90mm	૫) (૫) (૫) (૫) (૫) (૫) (૫)
Service(s) PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness PVC Pipe 100mm Ø, 4.2-7.4mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm 90mm 100mm 100m	૫) (૫) (૫) (૫) (૫) (૫) (૫)
Service(s) PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness PVC Pipe 100mm Ø, 4.2-7.4mm wall thickness PVC Pipe 110mm Ø, 4.2-7.4mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm 90mm 100mm	૫ ૫ ૫

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.

Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the PFC Corofil Coated Panel System



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Max Aperture 2600mm Wide x 2600mm High (Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal) Key Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System PFC Corofil Intumescent Pipe Collar Penetration Service PFC Corofil Classification Service(s) **Intumescent Pipe** Collar Ref PVC Pipe 32mm Ø, 1.8mm wall thickness 32mm PVC Pipe 40mm Ø, 1.8mm wall thickness 40mm PVC Pipe 50mm Ø, 1.8mm wall thickness 50mm PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness 55mm PVC Pipe 63mm Ø, 2.3-3mm wall thickness 63mm PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness 75mm PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness EI 60 U/C 82mm PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness 90mm PVC Pipe 100mm Ø, 4.2-7.4mm wall thickness 100mm PVC Pipe 110mm Ø, 4.2-7.4mm wall thickness 110mm PVC Pipe 125mm Ø, 6mm wall thickness 125mm PVC Pipe 140mm Ø, 6.1-7.5mm wall thickness 140mm PVC Pipe 160mm Ø, 6.2-9.5mm wall thickness 160mm

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.

Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the PFC Corofil Coated Panel System

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Max Aperture 730mm Wide x 1200mm High (Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal) Supporting construction PFC Corofil Acoustic **Intumescent Sealant** PFC Corofil Coated Panel System PFC Corofil Intumescent Pipe Collar 5. Penetration Service Service(s) **PFC Corofil** Classification **Intumescent Pipe** Collar Ref PP Pipe 32mm Ø, 2.9mm wall thickness 32mm PP Pipe 40mm Ø, 2.9mm wall thickness 40mm PP Pipe 50mm Ø, 2.9mm wall thickness 50mm PP Pipe 55mm Ø, 2.9-4.4mm wall thickness 55mm PP Pipe 63mm Ø, 2.9-4.4mm wall thickness 63mm PP Pipe 75mm Ø, 2.8-6.7mm wall thickness 75mm EI 120 U/C PP Pipe 82mm Ø, 2.8-6.7mm wall thickness 82mm PP Pipe 90mm Ø, 2.7-10mm wall thickness 90mm PP Pipe 100mm Ø, 2.7-10mm wall thickness 100mm PP Pipe 110mm Ø, 2.7-10mm wall thickness 110mm PP Pipe 125mm Ø, 3.1mm wall thickness 125mm PP Pipe 140mm Ø, 3.5-8mm wall thickness 140mm PP Pipe 160mm Ø, 4-14.6mm wall thickness 160mm

Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the PFC Corofil Coated Panel System



¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.

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Max Aperture 2600mm Wide x 2600mm High (Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal) Key 1. Supporting construction 2. PFC Corofil Acoustic **Intumescent Sealant** 3. PFC Corofil Coated Panel System 4. PFC Corofil Intumescent Pipe Collar Penetration Service **PFC Corofil** Classification Service(s) **Intumescent Pipe** Collar Ref PP Pipe 32mm Ø, 2.9mm wall thickness 32mm PP Pipe 40mm Ø, 2.9mm wall thickness 40mm PP Pipe 50mm Ø, 2.9mm wall thickness 50mm PP Pipe 55mm Ø, 2.9-4.4mm wall thickness 55mm PP Pipe 63mm Ø, 2.9-4.4mm wall thickness 63mm PP Pipe 75mm Ø, 2.8-6.7mm wall thickness 75mm EI 60 U/C PP Pipe 82mm Ø, 2.8-6.7mm wall thickness 82mm PP Pipe 90mm Ø, 2.7-10mm wall thickness 90mm PP Pipe 100mm Ø, 2.7-10mm wall thickness 100mm PP Pipe 110mm Ø, 2.7-10mm wall thickness 110mm PP Pipe 125mm Ø, 3.1mm wall thickness 125mm PP Pipe 140mm Ø, 3.5-8mm wall thickness 140mm PP Pipe 160mm Ø, 4-14.6mm wall thickness 160mm

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.

Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the PFC Corofil Coated Panel System

(II)

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Max Aperture 730mm Wide x 1200mm High (Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal) Key Supporting construction 1. PFC Corofil Acoustic 2. **Intumescent Sealant** PFC Corofil Coated Panel System PFC Corofil Intumescent Pipe Collar Penetration Service Service(s) **PFC Corofil** Classification **Intumescent Pipe** Collar Ref PE Pipe 32mm Ø, 2.9mm wall thickness 32mm PE Pipe 40mm Ø, 2.9mm wall thickness 40mm PE Pipe 50mm Ø, 2.9mm wall thickness 50mm PE Pipe 55mm Ø, 2.9-4.4mm wall thickness 55mm PE Pipe 63mm Ø, 2.9-4.4mm wall thickness 63mm PE Pipe 75mm Ø, 2.8-6.7mm wall thickness 75mm EI 120 U/C PE Pipe 82mm Ø, 2.8-6.7mm wall thickness 82mm PE Pipe 90mm Ø, 2.7-10mm wall thickness 90mm PE Pipe 100mm Ø, 2.7-10mm wall thickness 100mm PE Pipe 110mm Ø, 2.7-10mm wall thickness 110mm PE Pipe 125mm Ø, 3.1mm wall thickness 125mm PE Pipe 140mm Ø, 3.9-5.8mm wall thickness 140mm PE Pipe 160mm Ø, 4.9-9.5mm wall thickness 160mm

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.

Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the PFC Corofil Coated Panel System



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Max Aperture 2600mm Wide x 2600mm High (Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal) Key 1. Supporting construction PFC Corofil Acoustic **Intumescent Sealant** PFC Corofil Coated Panel System PFC Corofil Intumescent Pipe Collar Penetration Service Service(s) **PFC Corofil** Classification **Intumescent Pipe** Collar Ref PE Pipe 32mm Ø, 2.9mm wall thickness 32mm PE Pipe 40mm Ø, 2.9mm wall thickness 40mm PE Pipe 50mm Ø, 2.9mm wall thickness 50mm PE Pipe 55mm Ø, 2.9-4.4mm wall thickness 55mm PE Pipe 63mm Ø, 2.9-4.4mm wall thickness 63mm PE Pipe 75mm Ø, 2.8-6.7mm wall thickness 75mm EI 60 U/C PE Pipe 82mm Ø, 2.8-6.7mm wall thickness 82mm PE Pipe 90mm Ø, 2.7-10mm wall thickness 90mm PE Pipe 100mm Ø, 2.7-10mm wall thickness 100mm PE Pipe 110mm Ø, 2.7-10mm wall thickness 110mm PE Pipe 125mm Ø, 3.1mm wall thickness 125mm PE Pipe 140mm Ø, 3.9-5.8mm wall thickness 140mm PE Pipe 160mm Ø, 4.9-9.5mm wall thickness 160mm

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.

Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the PFC Corofil Coated Panel System

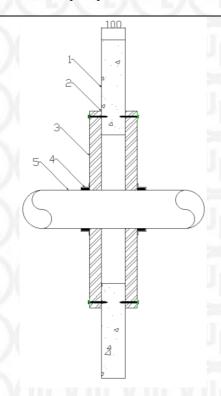


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Max Aperture 2600mm Wide x 2600mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)



Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Penetration Service

Scope and Classifications as below

Intumescent Thickness			
Pipe Diameter	Intumescent Material		
ø 32 mm - ø 50 mm	40 mm (W) x 2 mm (T)		
ø 51 mm - ø 82 mm 40 mm (W) x 4 mm (T			
ø 83 mm - ø 115 mm	40 mm (W) x 6 mm (T)		
ø 116 mm - ø 160 mm	40 mm (W) x 8 mm (T)		
ø 161 mm - ø 200 mm 40 mm (W) x 10 mm (
ø 201 mm - ø 250 mm 40 mm (W) x 12 mm (

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.

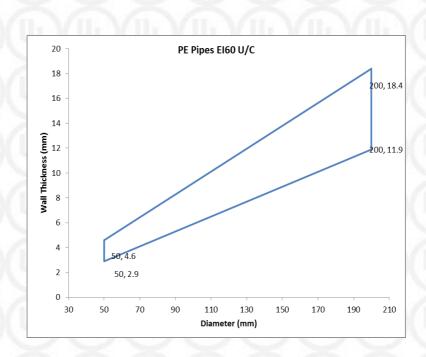
Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the PFC Corofil Coated Panel System

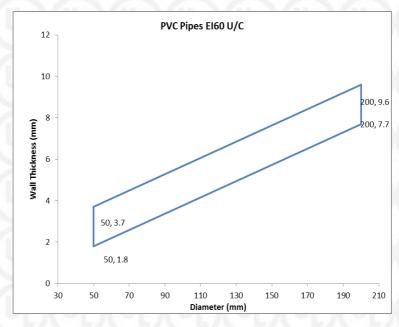


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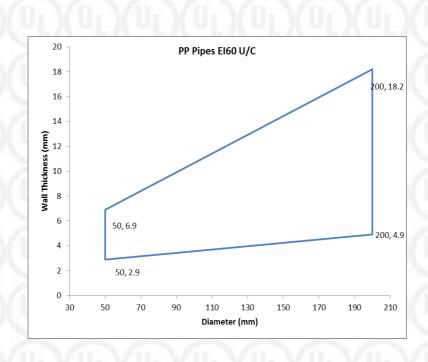




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Rigid Walls Minimum Thickness 150mm

Double Layer, PFC Corofil Coated Panel System50mm, Electrical Cables

Max Aperture 750mm Wide x 1100mm High	
150 150 2 3 4 4 A A A A A A A A A A A	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Penetration Service
Service(s)	Classification
Electrical cables up to 0-21mm Ø	E120 EI90
Cable Tray	EI 60



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Single Layer, PFC Corofil Coated Panel System 50mm, Electrical Cables

Max Aperture 750mm Wide x 1100mm High	
150 150 14 2 4 4 4 4 4 4 4 4 4 4 4 4	Key 1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service
Service(s)	Classification
¹ Electrical cables up to 80mm Ø	EI 60
¹ Cable Trays and Ladders	EI 60
¹ 100 mm diameter bundle telecommunication cable type "F"	EI 60
¹ Unsheathed electrical cables up to 24mmØ	EI 60

¹Cables and cable trays wrapped with a single layer of 6mm thick foil faced ceramic insulation (L/I 300mm)



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Max Aperture 750mm Wide x 1100mm	n High
	Key 1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service
Penetration Specification	Classification
*500mm perforated cable tray	EI 30
*Electrical cables up to 21mm ø	\times
*1 off 'C1' Cable	EI 45
*1 off 'C2' Cable	
*1 off 'C3' Cable	UL(UL)(UL)(U

^{*}All cables coated with 2mm DFT PFC Corofil Ablative Coating 300mm along the cables both sides of the seal



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Single Layer, PFC Corofil Coated Panel System 50mm, Insulated Metallic Pipes

Max Aperture 750mm Wide x 1100mm High	
	Key 1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service
Service(s)	Classification
¹ Steel or Copper Pipe 108mm Ø, 1.5mm − 14.2mm Wall Thickness. (C/S) 40mm stone wool insulation (min 140Kg/m³) Steel or Copper Pipe 42mm Ø, 1.2mm − 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m³)	E60 C/U EI45 C/U EI45 C/U
Steel or Copper Pipe 42mm – 159mm Ø, 2mm – 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m³)	E45 C/U E120 C/U
Steel or Copper Pipe 42mm – 159mm Ø, 2mm – 14.2mm wall thickness. (C/I) 40mm stone wool insulation (min 40Kg/m³)	E45 C/U EI30 C/U



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Single Layer, PFC Corofil Coated Panel System 50mm, Plastic Pipes

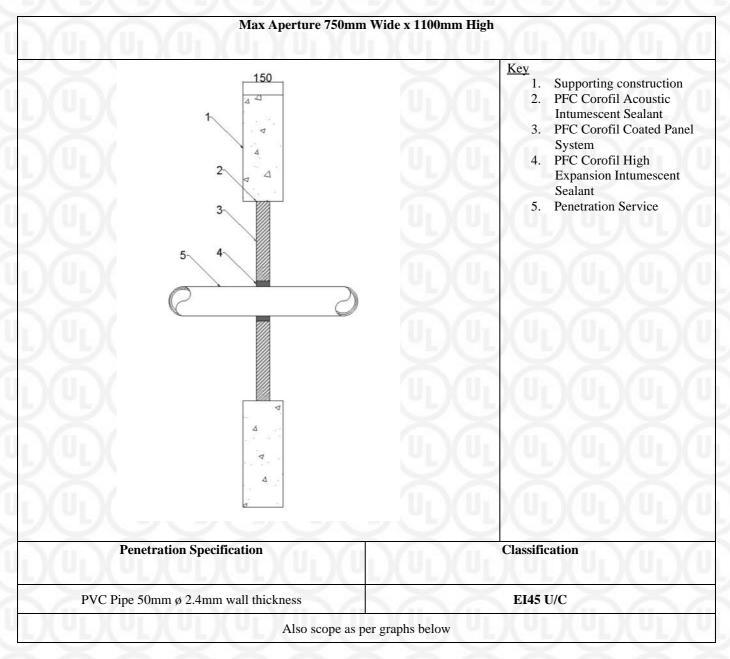
400	Key
	 Supporting construction PFC Corofil Acoustic Intumescent Sealant PFC Corofil Coated Pane System PFC Corofil High Expansion Intumescent Sealant Penetration Service
Penetration Specification	Classification
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness)(nf)(nf)(nf)(
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness E 45 U	E 45 U/C
	EI 30 U/C
Uponor MLC (Multi-Layer Composite) Pipe 75mm ø 7.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 75mm ø 7.5mm wall thickness Uponor MLC (Multi-Layer Composite) Pipe 90mm ø 8.5mm wall thickness)(UL)(UL)(UL)(

PFC Corofil High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the PFC Corofil Coated Panel System



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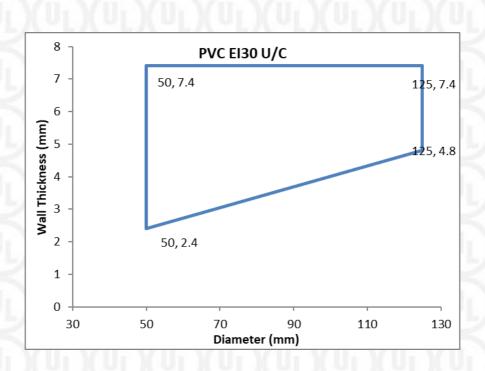


PFC Corofil High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the PFC Corofil Coated Panel System



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Double Layer, PFC Corofil Coated Panel System 50mm, Electrical Cables

Max Aperture 730mm Wide x 1200mm High	
150 a 4 1	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. PFC Corofil High Expansion Intumescent Sealant 5. Penetration Service
Service(s)	Classification
¹ Electrical cables up to 21mm dia	EI 120
¹ Electrical cables 22mm – 80mm dia	E 120 EI 90
¹ Cable Trays and Ladders	EI 120
¹ 100 mm diameter bundle telecommunication cable type "F"	EI 120
¹ Unsheathed electrical cables up to 24mm dia	EI 120

¹Cables and cable trays wrapped with Stone Wool Insulation 45mm thick, 40Kg/m³ (L/I 200mm)



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Max Aperture 2600mm Wide x 2600mm High	
150 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Key 1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. PFC Corofil High Expansion Intumescent Sealant 5. Penetration Service
Service(s)	Classification
¹ Electrical cables up to 21mm dia ¹ Electrical cables 22mm – 80mm dia ¹ Cable Trays and Ladders ¹ 100 mm diameter bundle telecommunication cable type "F" ¹ Unsheathed electrical cables up to 24mm dia	EI 60

 1 Cables and cable trays wrapped with Stone Wool Insulation 45mm thick, 40Kg/m^{3} (L/I 200mm)



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Max Aperture 750mm Wide x 1100m	nm High
	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. PFC Corofil High Expansion Intumescent Sealant 5. PFC Corofil Ablative Coating 6. Penetration Service
Penetration Specification	Classification
*500mm perforated cable tray	
*Electrical cables up to 21mm ø	EI120
*1 off 'C1' Cable	$\times\times\times\times\times$
*1 off 'C2' Cable	E120 EI90
*1 off 'C3' Cable	EI120

^{*}All cables coated with 2mm DFT PFC Corofil Ablative Coating 300mm along the cables both sides of the seal PFC Corofil High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the PFC Corofil Coated Panel System



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Max Aperture 2600mm Wide x 2600n	
	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. PFC Corofil High Expansion Intumescent Sealant 5. PFC Corofil Ablative Coating 6. Penetration Service
Penetration Specification	Classification
*500mm perforated cable tray	\times
*Electrical cables up to 21mm ø	EI 60
*1 off 'C1' Cable	EI 00
*1 off 'C2' Cable	(nl)(nl)(nl)(nl)(n
*1 off 'C3' Cable	\times

^{*}All cables coated with 2mm DFT PFC Corofil Ablative Coating 300mm along the cables both sides of the seal PFC Corofil High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the PFC Corofil Coated Panel System



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Double Layer, PFC Corofil Coated Panel System 50mm, Insulated Metallic Pipes

Max Aperture 730mm Wide x 1200mm High Service(s) Key 1. Supporting construction PFC Corofil Acoustic **Intumescent Sealant** 3. PFC Corofil Coated Panel System 4. Insulation 4 5. Penetration Service 4 Classification **Penetration Specification** Steel or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness. (L/I 300mm) 40mm E 120 C/U stone wool insulation (min 40Kg/m³) EI 60 C/U Steel or Copper Pipe 42mm – 159mm Ø, 2mm – 14.2mm wall thickness. (L/I E 120 C/U 300mm) 40mm stone wool insulation (min 40Kg/m³) EI 30 C/U



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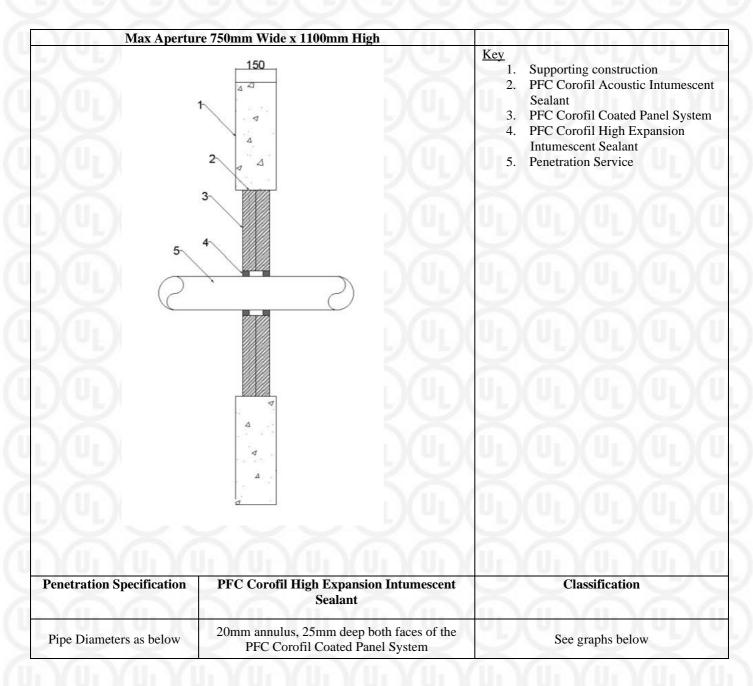
Country (2)	V
Service(s) 150 4 4 4 4 4 4 4 4 4 4 4 4 4	Key 1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service
Penetration Specification	Classification
el or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness. (L/I 300mm) 40mm	E1 <0 C/11
stone wool insulation (min 40Kg/m ³)	EI 60 C/U
Steel or Copper Pipe 42mm – 159mm Ø, 2mm – 14.2mm wall thickness. (L/I	E 60 C/U



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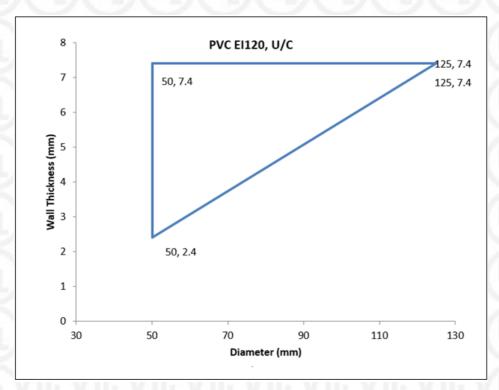
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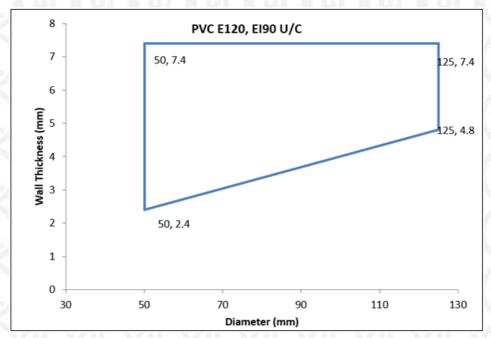




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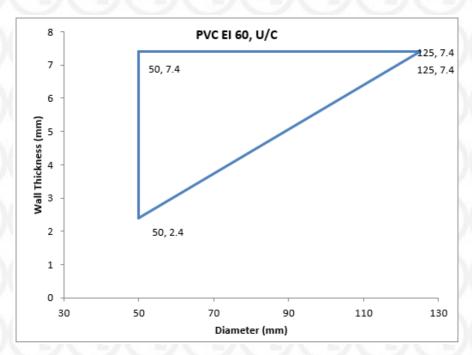
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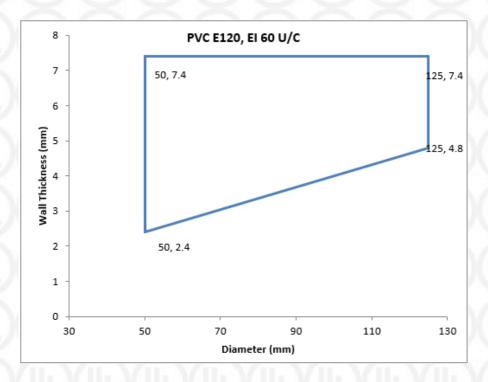
Max Aperture 2600mm Wide x 2600mm High Key Supporting construction PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. PFC Corofil High Expansion Intumescent Sealant Penetration Service **PFC Corofil High Expansion Intumescent** Classification **Penetration Specification** Sealant 20mm annulus, 25mm deep both faces of the Pipe Diameters as below EI 60 PFC Corofil Coated Panel System



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Max Aperture 750mm Wide x 1100mm Hig	th
	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Par System 4. PFC Corofil High Expansion Intumescent Sealant 5. Penetration Service
Penetration Specification	Classification
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness	<u>.)(U_)(U_)(U_)(U_)</u>
Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness	EI 120 U/C
Uponor MLC (Multi-Layer Composite) Pipe 75mm ø 7.5mm wall thickness	(UE)(UE)(UE)
Uponor MLC (Multi-Layer Composite) Pipe 90mm ø 8.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 110mm ø 10mm wall thickness	. Yu Yu Yu Y

PFC Corofil High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the PFC Corofil Coated Panel System



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Max Aperture 2600mm Wide x 2600mm	High
	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Pane System 4. PFC Corofil High Expansion Intumescent Sealant 5. Penetration Service
Penetration Specification	Classification
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness	EI 60 U/C
Uponor MLC (Multi-Layer Composite) Pipe 75mm ø 7.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 90mm ø 8.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 110mm ø 10mm wall thickness	

PFC Corofil High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the PFC Corofil Coated Panel System

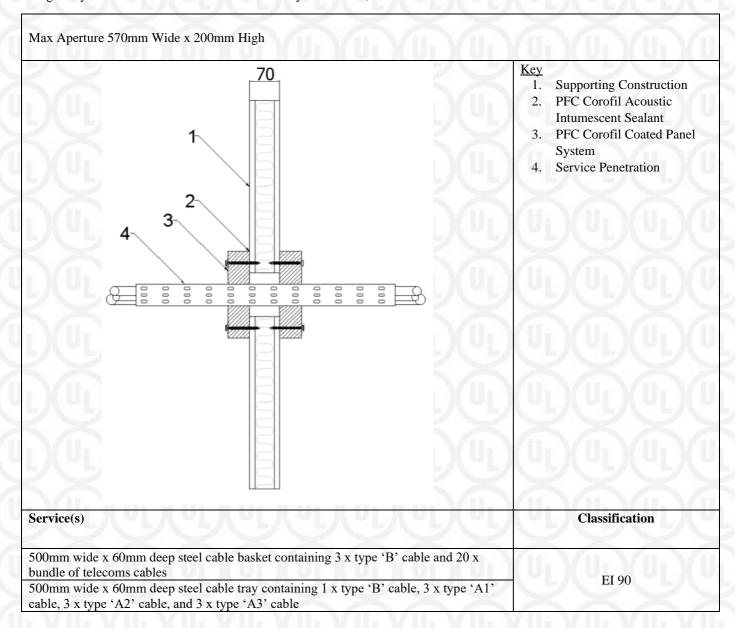


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Flexible Walls Minimum Thickness 70mm

Single Layer Pattress PFC Corofil Coated Panel System 50mm, Electrical Cables



¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed on all edges. Overlap of batts to substrate min 50mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres

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Single Layer Pattress PFC Corofil Coated Panel System 50mm, Electrical Cables and Conduits

Max Aperture 570mm Wide x 200mm High	Key 1. Supporting Construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Service Penetration
Service(s) 20mm dia Adaptaflex SPL20 flexible conduit	Classification
20mm dia Kopex KSU 316 stainless steel flexible conduit	EI 90
150mm wide x 60mm deep steel cable tray containing 4 x FP200 Gold (Firealarm cable 7mm dia red) Cables	E 90 EI 60

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed on all edges. Overlap of batts to substrate min 50mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres



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Flexible Walls Minimum Thickness 75mm

Single Layer Pattress PFC Corofil Coated Panel System 50mm, Electrical Cables

	 PFC Corofil Acoustic Intumescent Sealant PFC Corofil Coated Pane System Penetration Service
ervice(s)	Classification

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 50mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres



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Single Layer Pattress PFC Corofil Coated Panel System 50mm, Electrical Cables and Conduits

Max Aperture 200mm Wide x 200mm High	Vir3/ir3/ir3/ir3/
75	Key 1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Penetration Service
Service(s)	Classification
20mm dia Adaptaflex SPL20 flexible conduit	X UL X UL X UL X UL X
20mm dia Kopex KSU 316 stainless steel flexible conduit	
50mm wide x 60mm deep steel cable tray	EI 90
x FP200 Gold (Firealarm cable 7mm dia red) Cables	E 90 EI 60

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 50mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres



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Flexible Walls Minimum Thickness 75mm

Single Layer Pattress PFC Corofil Coated Panel System 50mm, Electrical Cables and Cable Trunking

Max Aperture 70mm Wide x 70mm High	
75	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service
Service(s)	Classification
50mm x 50mm Insulated steel cable trunking, Stone Wool 40mm thick, 45kg/m³ (LI 400mm). PFC Corofil Intumescent Pillows tightly fitted around the cables in the section of trunking within the depth of the partition.	EI 60 U/U
Cables 1xA1, 1xA2, 1xA3 Cables 1xA1 Cables 1xA2 Cables 1xA2 Cables 1xA3	EI 60

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 50mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres



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Single Layer Pattress PFC Corofil Coated Panel System 50mm, Electrical Cables and Cable Trunking

Max Aperture 170mm Wide x 170mm High	52	
75	Key 1. 2. 3. 4. 5.	Intumescent Sealant PFC Corofil Coated Panel System
Service(s)	L)(Classification
150mm x 150mm Insulated steel cable trunking, Stone Wool 40mm thick, 45kg/m³ (LI 400mm). PFC Corofil Intumescent Pillows tightly fitted around the cables in the section of trunking within the depth of the partition.	57	EI 60 U/U
Cables 1xB1, 1xC1, 1xG1, 1xG2 Cables 1xB1 Cables 1xC1 Unsheathed electrical cables 0-24mm dia	Ň	EI 60

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 50mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres



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Single Layer PFC Corofil Coated Panel System 50mm, Plastic Pipes

PVC Pipe 140mm Ø, 6.1-7.5mm wall thickness

Max Aperture 600mm Wide x 600mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)

Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel System

5 4		 Supporting construction PFC Corofil Acoust Intumescent Sealant PFC Corofil Coated Panel System PFC Corofil Intumescent Pipe Collar Penetration Service
Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness	Intumescent Pipe	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness	Intumescent Pipe Collar Ref	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness	Intumescent Pipe Collar Ref 32mm	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm	
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm	Classification EI 60 U/C
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm 75mm	
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm	
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm 90mm	

140mm



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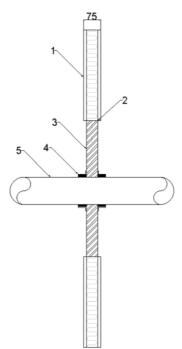
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Max Aperture 600mm Wide x 600mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)

Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel

System



Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Penetration Service

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PE Pipe 32mm Ø, 2.9mm wall thickness	32mm	
PE Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PE Pipe 50mm Ø, 2.9mm wall thickness	50mm	EI 60 U/C
PE Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PE Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PE Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PE Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	
PE Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PE Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PE Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PE Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PE Pipe 140mm Ø, 3.9-5.8mm wall thickness	140mm	
PE Pipe 160mm Ø, 4.9-9.5mm wall thickness	160mm	



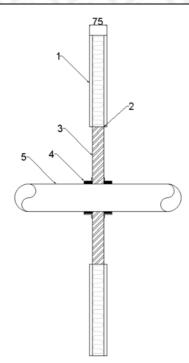
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Max Aperture 600mm Wide x 600mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)

Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel System



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- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Penetration Service

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PP Pipe 32mm Ø, 2.9mm wall thickness	32mm	
PP Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PP Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PP Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PP Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PP Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PP Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	EI 60 U/C
PP Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PP Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PP Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PP Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PP Pipe 140mm Ø, 3.5-8mm wall thickness	140mm	
PP Pipe 160mm Ø, 4-14.6mm wall thickness	160mm	



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Flexible Walls Minimum Thickness 100mm

Double Layer PFC Corofil Coated Panel System 50mm, Electrical Cables and Conduits

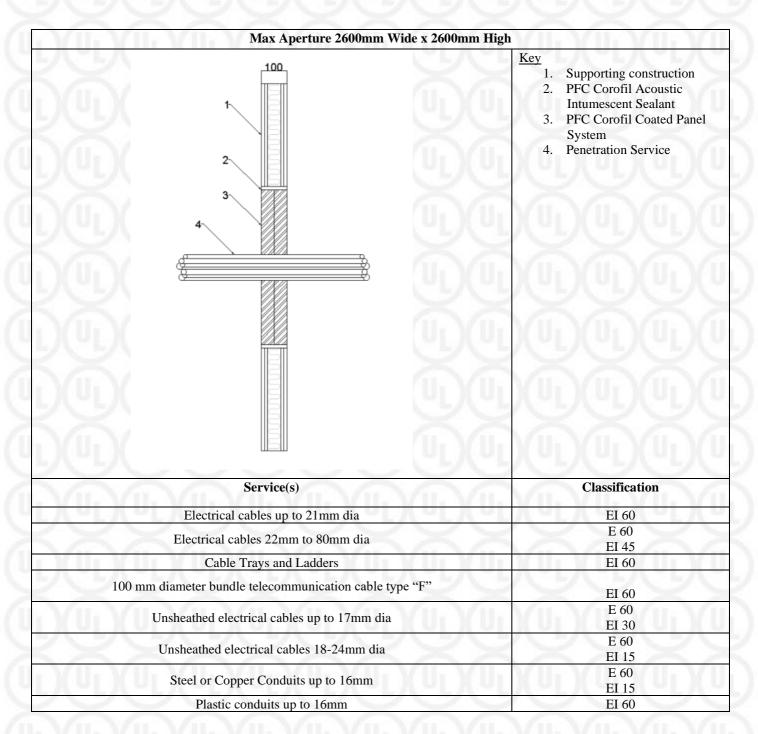
Max Aperture 2600mm Wide x 2600m	nm High
	Key 1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Penetration Service
Service(s)	Classification
Electrical cables 0mm to 21mm dia	EI 60
Electrical cables 22mm to 50mm dia	E 60 EI 45
Electrical cables 51mm to 80mm dia	E 60 EI 30
Cable Trays and Ladders	E 60 EI 45
100 mm diameter bundle telecommunication cable type "F"	EI 60
Unsheathed electrical cables 0-24mm dia	/ II. W II. W II. W II. W I
Steel or Copper Conduits up to 16mm	E 60 C/U
Plastic conduits up to 16mm	EI 60 C/U



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Max Aperture 2600mm Wide x 2600mm	ı High
	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Penetration Service
Service(s)	Classification
Electrical cables up to 21mm dia	EI 60
Electrical cables 22mm to 80mm dia	E 60 EI 45
Cable Trays and Ladders	EI 43
100 mm diameter bundle telecommunication cable type "F"	
Unsheathed electrical cables up to 17mm dia	EI 60 E 60 EI 30
Unsheathed electrical cables 18-24mm dia	E 60 EI 15
Steel or Copper Conduits up to 16mm	E 60 EI 15
Plastic conduits up to 16mm	EI 60



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Double Layer PFC Corofil Coated Panel System50mm, Insulated Metallic Pipes

100	Kev
	 Supporting construction PFC Corofil Acoustic Intumescent Sealant PFC Corofil Coated Panel System Insulation PFC Corofil High Expansio Intumescent Sealant Penetration Service
Service(s)	Classification
¹ Single copper or mild steel pipe 40mm diameter and 1.5 – 14.2 mm wall with	E 90 U/C
sustained/continuous 20mm thick foil faced glass wool insulation (min 80Kg/m³)	EI 60 U/C
Single copper or mild steel pipe 40-159mm diameter and 2.3 – 14.2 mm wall with	EI 60 U/C

¹15mm deep x 15mm wide annulus PFC Corofil High Expansion Intumescent Sealant to both faces of the pipe



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System	Max Aperture 2600mm Wide x 2600mm High	n
¹ Single copper or mild steel pipe 40mm diameter and 1.5 – 14.2 mm wall with	1-100	 Key Supporting construction PFC Corofil Acoustic Intumescent Sealant PFC Corofil Coated Panel System PFC Corofil High Expansion Intumescent Sealant Insulation
¹ Single copper or mild steel pipe 40mm diameter and 1.5 – 14.2 mm wall with sustained/continuous 20mm thick foil faced glass wool insulation (min 80Kg/m ³)	Service(s)	Classification
	¹ Single copper or mild steel pipe 40mm diameter and 1.5 – 14.2 mm wall with sustained/continuous 20mm thick foil faced glass wool insulation (min 80Kg/m ³) ¹ Single copper or mild steel pipe 40-159mm diameter and 2.3 – 14.2 mm wall with	EI 60 U/C

¹15mm deep x 15mm wide annulus PFC Corofil High Expansion Intumescent Sealant to both faces of the pipe



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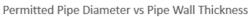
Max Aperture 730mm Wide x 1200mm High	VII. VII. VII. V
	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service
Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 1.0mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m³ (C/S)	E 120 C/U EI 45 C/U
Steel or Copper Pipe 42mm Ø, 1mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m³ (C/S)	E 120 C/U EI 60 C/U

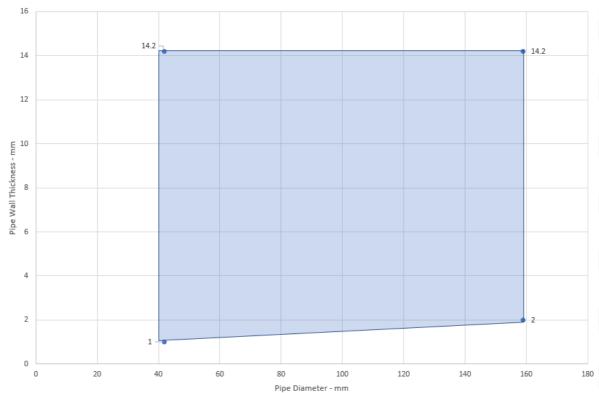


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Max Aperture 2600mm Wide x 2600mm High	h
	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service
Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 1.0mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m³ (C/S)	E 60 C/U EI 45 C/U
Steel or Copper Pipe 42mm Ø, 1mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m^3 (C/S)	E 60 C/U EI 60 C/U

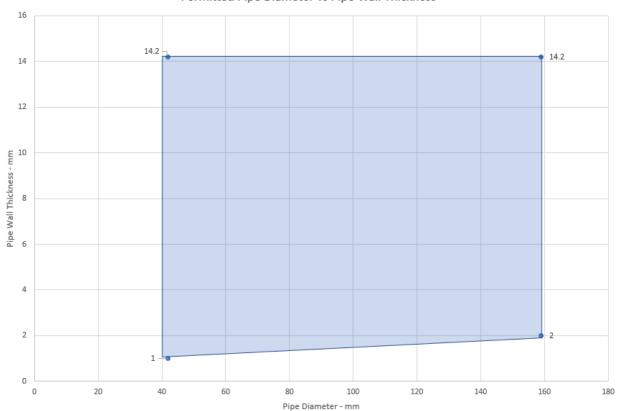


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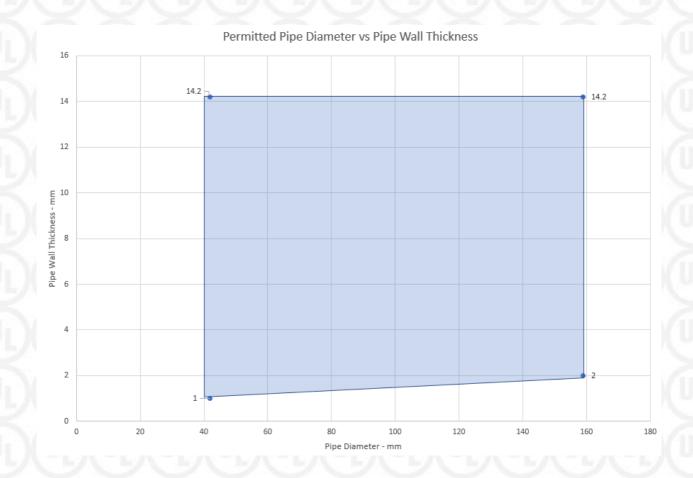
Max Aperture 730mm Wide x 1200mm I (Penetrations positioned as per option 1 or 2 below, 0mm distance between	
(Penetrations positioned as per option 1 or 2 below, 0mm distance between	Key
Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 1.0mm – 14.2mm wall thickness 40mm thick foil faced stonewool insulation min. 40kg/m³ (L/I 400mm)	EI 45 C/U
Steel 42-324mm Ø, 16mm wall thickness. 40mm thick foil faced stonewool insulation min. 40kg/m³ (L/I 400mm)	EI 45 C/U
Steel 42-324mm Ø, 16mm wall thickness. 40mm thick foil faced stonewool insulation min. 40kg/m³ (C/I)	EI 60 C/U
Steel or Copper Pipe 42mm Ø, 1.0mm – 14.2mm wall thickness PFC Corofil	E 120 C/U
Ablative Coating along the penetration 2mm DFT (L/I 300mm)	EI 45 C/U
Steel or Copper Pipe 42-159mm Ø, 1.0mm – 14.2mm wall thickness PFC Corofil	E 120 C/U
Ablative Coating along the penetration 2mm DFT (L/I 300mm)	EI 20 C/U
Steel 42-324mm Ø, 16mm wall thickness. 14.2mm wall thickness PFC Corofil	E 120 C/U
Ablative Coating along the penetration 2mm DFT (L/I 300mm)	EI 45 C/U



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Max Aperture 2600mm Wide x 2600mm High (Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal) Key 1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant PFC Corofil Coated Panel System Insulation 5. Penetration Service Service(s) Classification Steel or Copper Pipe 42-159mm Ø, 1.0mm – 14.2mm wall thickness 40mm thick foil faced stonewool insulation min. 40kg/m³ (L/I 400mm) EI 45 C/U Steel 42-324mm Ø, 16mm wall thickness. 40mm thick foil faced stonewool insulation min. 40kg/m^3 (L/I 400 mm) EI 45 C/U Steel 42-324mm Ø, 16mm wall thickness. 40mm thick foil faced stonewool EI 60 C/U insulation min. 40kg/m^3 (C/I) E 60 C/U Steel or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness PFC Corofil Ablative Coating along the penetration 2mm DFT (L/I 300mm) EI 45 C/U Steel or Copper Pipe 42-159mm Ø, 1.0mm – 14.2mm wall thickness PFC Corofil E 60 C/U Ablative Coating along the penetration 2mm DFT (L/I 300mm) EI 20 C/U Steel 42-324mm Ø, 16mm wall thickness. 14.2mm wall thickness PFC Corofil E 60 C/U Ablative Coating along the penetration 2mm DFT (L/I 300mm) EI 45 C/U

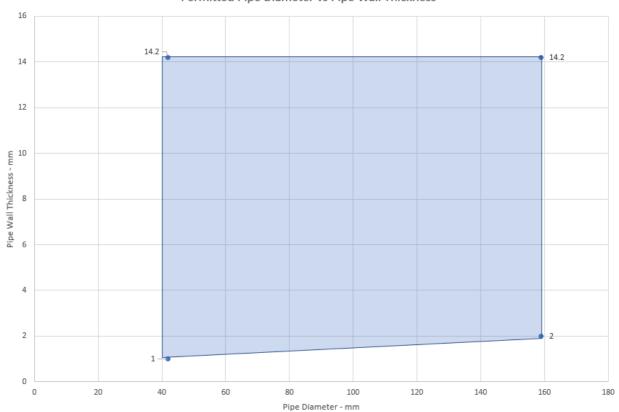


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Max Aperture 730mm Wide x 1200mm High	
	 Key Supporting construction PFC Corofil Acoustic Intumescent Sealant PFC Corofil Coated Panel System Insulation PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap Penetration Service
Service(s)	Classification
¹ Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST ² Insulation (C/S)	E 120 C/U EI 60 C/U
$^1 Steel$ or Copper Pipe 42mm Ø, 1 – 14.2mm wall thickness. 25-13mm thick K Flex ST^2 insulation (C/S)	E 120 C/U EI 90 C/U
¹ Steel or Copper Pipe 42-108mm Ø, 1.2 – 14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM3 insulation (C/S)	E 120 C/U EI 60 C/U
¹ Steel or Copper Pipe 42mm Ø, 1–14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM ³ insulation (C/S)	E 120 C/U EI 90 C/U
¹ Steel or Copper Pipe 42mm Ø, 1.0–14.2mm wall thickness. 50mm thick glassfibre insulation (C/S)	E 120 C/U EI 90 C/U

¹2 x 2mm thick layers of PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap installed both sides of the PFC Corofil Coated Panel System



²Or equivalent elastomeric pipe insulation classified BL – s2, d0 or better to EN 13501-1

³Or equivalent Phenloic foam pipe insulation classified BL – s1, d0 or better to EN 13501-1

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Max Aperture 2600mm Wide x 2600mm Hig	ş h
1- 100	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap 6. Penetration Service
Service(s)	Classification
¹ Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST ² Insulation (C/S)	EI 60 C/U
¹ Steel or Copper Pipe 42mm Ø, 1 – 14.2mm wall thickness. 25-13mm thick K Flex ST ² insulation (C/S)	EI 60 C/U
¹ Steel or Copper Pipe 42-108mm Ø, 1.2 – 14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM ³ insulation (C/S)	EI 60 C/U
¹ Steel or Copper Pipe 42mm Ø, 1–14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM ³ insulation (C/S)	EI 60 C/U
¹ Steel or Copper Pipe 42mm Ø, 1.2–14.2mm wall thickness. 50mm thick glassfibre insulation (C/S)	EI 60 C/U

¹2 x 2mm thick layers of PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap installed both sides of the PFC Corofil Coated Panel System

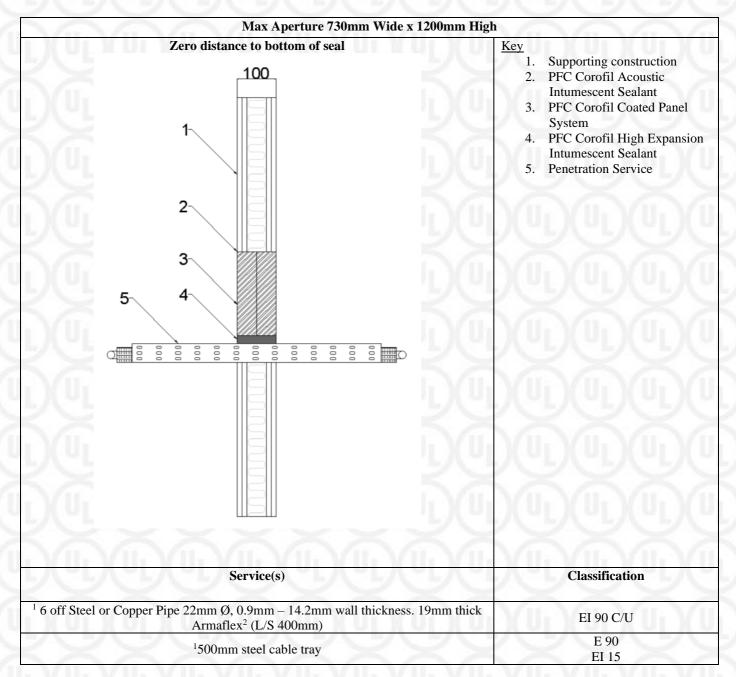


²Or equivalent elastomeric pipe insulation classified BL − s2, d0 or better to EN 13501-1

³Or equivalent Phenloic foam pipe insulation classified BL – s1, d0 or better to EN 13501-1

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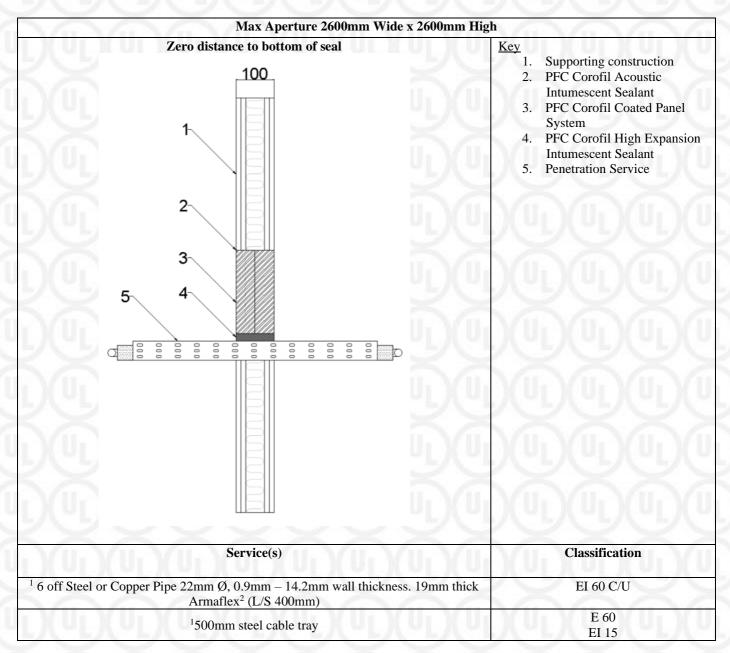
¹PFC Corofil High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the PFC Corofil Coated Panel System



²Or equivalent elastomeric pipe insulation classified BL – s2, d0 or better to EN 13501-1

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¹PFC Corofil High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the PFC Corofil Coated Panel System



²Or equivalent elastomeric pipe insulation classified BL – s2, d0 or better to EN 13501-1

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Double Layer PFC Corofil Coated Panel System50mm, Plastic Pipes

Max Aperture 730mm Wide x 1200mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)

Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel

System

200	100	
	1	
	2	
	5 4	
		2
	ЩШ	

Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Penetration Service

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness	32mm	EI 120 U/C
PVC Pipe 40mm Ø, 1.8mm wall thickness	40mm	
PVC Pipe 50mm Ø, 1.8mm wall thickness	50mm	
PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness	55mm	
PVC Pipe 63mm Ø, 2.3-3mm wall thickness	63mm	
PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness	75mm	
PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	82mm	
PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness	90mm	
PVC Pipe 100mm Ø, 4.2-7.4mm wall thickness	100mm	
PVC Pipe 110mm Ø, 4.2-7.4mm wall thickness	110mm	
PVC Pipe 125mm Ø, 6mm wall thickness	125mm	
PVC Pipe 140mm Ø, 6.1-7.5mm wall thickness	140mm	



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Max Aperture 2600mm Wide x 2600mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)

Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel

System

100

Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Penetration Service

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness	32mm	
PVC Pipe 40mm Ø, 1.8mm wall thickness	40mm	
PVC Pipe 50mm Ø, 1.8mm wall thickness	50mm	EI 60 U/C
PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness	55mm	
PVC Pipe 63mm Ø, 2.3-3mm wall thickness	63mm	
PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness	75mm	
PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	82mm	
PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness	90mm	
PVC Pipe 100mm Ø, 4.2-7.4mm wall thickness	100mm	
PVC Pipe 110mm Ø, 4.2-7.4mm wall thickness	110mm	
PVC Pipe 125mm Ø, 6mm wall thickness	125mm	
PVC Pipe 140mm Ø, 6.1-7.5mm wall thickness	140mm	
PVC Pipe 160mm Ø, 6.2-9.5mm wall thickness	160mm	



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Max Aperture 730mm Wide x 1200mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)

Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel System

2-3-5-4

Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Penetration Service

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PP Pipe 32mm Ø, 2.9mm wall thickness	32mm	
PP Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PP Pipe 50mm Ø, 2.9mm wall thickness	50mm	EI 120 U/C
PP Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PP Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PP Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PP Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	
PP Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PP Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PP Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PP Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PP Pipe 140mm Ø, 3.5-8mm wall thickness	140mm	
PP Pipe 160mm Ø, 4-14.6mm wall thickness	160mm	



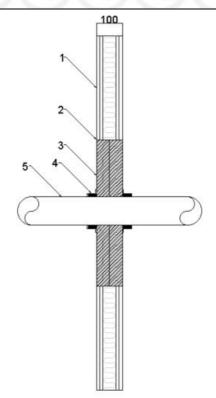
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Max Aperture 2600mm Wide x 2600mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)

Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel System



Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Penetration Service

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PP Pipe 32mm Ø, 2.9mm wall thickness	32mm	\times
PP Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PP Pipe 50mm Ø, 2.9mm wall thickness	50mm	EI 60 U/C
PP Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PP Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PP Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PP Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	
PP Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PP Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PP Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PP Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PP Pipe 140mm Ø, 3.5-8mm wall thickness	140mm	
PP Pipe 160mm Ø, 4-14.6mm wall thickness	160mm	



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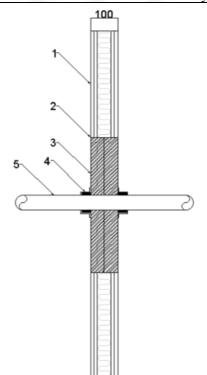
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Max Aperture 730mm Wide x 1200mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)

Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel

System



Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Penetration Service

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PE Pipe 32mm Ø, 2.9mm wall thickness	32mm	EI 120 U/C
PE Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PE Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PE Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PE Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PE Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PE Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	
PE Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PE Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PE Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PE Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PE Pipe 140mm Ø, 3.9-5.8mm wall thickness	140mm	
PE Pipe 160mm Ø, 4.9-9.5mm wall thickness	160mm	



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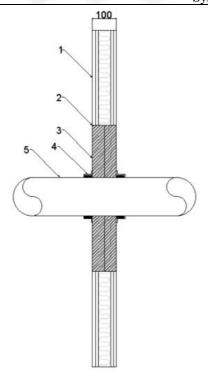
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Max Aperture 2600mm Wide x 2600mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)

Collars secured both faces of the substrate utilising 80mm long steel pig tail screw through to PFC Corofil Coated Panel

System



Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Penetration Service

Service(s)	PFC Corofil Intumescent Pipe Collar Ref	Classification
PE Pipe 32mm Ø, 2.9mm wall thickness	32mm	EI 60 U/C
PE Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PE Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PE Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PE Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PE Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PE Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	
PE Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PE Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PE Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PE Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PE Pipe 140mm Ø, 3.9-5.8mm wall thickness	140mm	
PE Pipe 160mm Ø, 4.9-9.5mm wall thickness	160mm	



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Double Layer PFC Corofil Coated Panel System 50mm, Insulated Plastic Pipes

Max Aperture 730mm Wide x 1200mm High (Penetrations positioned as per option 1 or 2 below, 100mm distance between services and 50mm to edge of seal) Supporting construction 2. PFC Corofil Acoustic **Intumescent Sealant** 3. PFC Corofil Coated Panel System PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap Insulation Penetration Service **PFC Corofil Universal Pipe** Classification Service(s) Wrap/ PFC Corofil **Intumescent Pipe Wrap Ref** PVC Pipe 40mm Ø, 1.9mm wall thickness. 25 mm thick 3 x 2mm thickness Kingspan Kooltherm FM³ insulation (C/S) E 120 U/C PVC Pipe 40mm Ø, 3mm wall thickness. 15 mm thick 3 x 2mm thickness EI 90 U/C Kingspan Kooltherm FM³ insulation (C/S) PVC Pipe 110mm Ø, 4.2mm wall thickness. 25 mm 5 x 2mm thickness EI 120 U/C thick Kingspan Kooltherm FM³ insulation (C/S) PVC Pipe 110mm Ø, 6.6mm wall thickness. 20 mm 5 x 2mm thickness E 120 U/C thick Kingspan Kooltherm FM³ insulation (C/S) EI 90 U/C PVC Pipe 40mm Ø, 1.9mm wall thickness. 32 mm thick 3 x 2mm thickness Armacell Armaflex Class O² (C/S) EI 120 U/C PVC Pipe 40mm Ø, 3mm wall thickness. 9 mm thick 3 x 2mm thickness Armacell Armaflex Class O² (C/S) PVC Pipe 110mm Ø, 4.2mm wall thickness. 32 mm 5 x 2mm thickness EI 120 U/C thick Armacell Armaflex Class O² (C/S) EI 120 U/C PVC Pipe 110mm Ø, 6.6mm wall thickness. 13 mm 5 x 2mm thickness thick Armacell Armaflex Class O² (C/S)



¹PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap secured internally within both faces of the PFC Corofil Coated Panel System

²Or equivalent elastomeric pipe insulation classified BL − s2, d0 or better to EN 13501-1

³Or equivalent Phenloic foam pipe insulation classified BL – s1, d0 or better to EN 13501-1

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Max Aperture 2600mm Wide x 2600mm High

(Penetrations positioned as per option 1 or 2 below, 100mm distance between services and 50mm to edge of seal)

100		1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap 5. Insulation 6. Penetration Service
Service(s)	PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap Ref	Classification
PVC Pipe 40mm Ø, 1.9mm wall thickness. 25 mm	3 x 2mm thickness	
thick Kingspan Kooltherm FM ³ insulation (C/S)		
DVC Ding 40mm (1 2mm well thickness 15 mm this	\sim	
PVC Pipe 40mm Ø, 3mm wall thickness. 15 mm thick	3 x 2mm thickness	EI 60 U/C
Kingspan Kooltherm FM ³ insulation (C/S)	3 x 2mm thickness	EI 60 U/C
Kingspan Kooltherm FM ³ insulation (C/S) PVC Pipe 110mm Ø, 4.2mm wall thickness. 25 mm	\sim	EI 60 U/C EI 60 U/C
Kingspan Kooltherm FM ³ insulation (C/S) PVC Pipe 110mm Ø, 4.2mm wall thickness. 25 mm thick Kingspan Kooltherm FM ³ insulation (C/S)	3 x 2mm thickness 5 x 2mm thickness	CATVATVATVA
Kingspan Kooltherm FM ³ insulation (C/S) PVC Pipe 110mm Ø, 4.2mm wall thickness. 25 mm	3 x 2mm thickness	CATVATVATVA

3 x 2mm thickness

3 x 2mm thickness

5 x 2mm thickness

5 x 2mm thickness

PVC Pipe 40mm Ø, 1.9mm wall thickness. 32 mm thick Armacell Armaflex Class O² (C/S)

PVC Pipe 40mm Ø, 3mm wall thickness. 9 mm thick

Armacell Armaflex Class O² (C/S)
PVC Pipe 110mm Ø, 4.2mm wall thickness. 32 mm

thick Armacell Armaflex Class O² (C/S)

PVC Pipe 110mm Ø, 6.6mm wall thickness. 13 mm

thick Armacell Armaflex Class O² (C/S)

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EI 60 U/C

EI 60 U/C

EI 60 U/C

¹PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap secured internally within both faces of the PFC Corofil Coated Panel System

²Or equivalent elastomeric pipe insulation classified BL – s2, d0 or better to EN 13501-1

³Or equivalent Phenloic foam pipe insulation classified BL – s1, d0 or better to EN 13501-1

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Single Layer Pattress, PFC Corofil Coated Panel System 50mm, Electrical Cables and Conduits

Max Aperture 730mm Wide x 1200mm	High
3	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service
Service(s)	Classification
² Electrical cables up to 80mm Ø	XXXX
² Cable Trays and Ladders	")(")(")(")(")(")("
² 100 mm diameter bundle telecommunication cable type "F"	
² Unsheathed electrical cables up to 24mm Ø	EI 120
² Steel or Copper Conduits up to 16mm Ø	
² Plastic conduits up to 16mm Ø	'U_)(U_)(U_)(U_)(U_)

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres

²Cables and cable trays wrapped with a single layer of 40mm thick, 40kg/m³ Stonewool (L/I 300mm)



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Max Aperture 2600mm Wide x 2600mm	m High
100 1 2 3 4 5 5 5 5 5 6 8 8 8 8 8 8 8 8 8 8 8 8 8	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service
Service(s)	Classification
² Electrical cables upto 80mm Ø	
² Cable Trays and Ladders	(")(")(")(")(")(")(")(")
² 100 mm diameter bundle telecommunication cable type "F"	
² Unsheathed electrical cables up to 24mm Ø	EI 60
² Steel or Copper Conduits up to 16mm Ø	$\mathbb{Z}(\mathbb{Z}_{\times})$
² Plastic conduits up to 16mm Ø	(UL)(UL)(UL)(UL)(U

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres

²Cables and cable trays wrapped with a single layer of 40mm thick, 40kg/m³ Stonewool (L/I 300mm)



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Single Layer Pattress, PFC Corofil Coated Panel System 50mm, Insulated Metallic Pipes

Max Aperture 730mm Wide x 1200mm High	/ \	
	1. 2. 3. 4. 5. 6.	Supporting construction PFC Corofil Acoustic Intumescent Sealant PFC Corofil Coated Panel System PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap Insulation Penetration Service
)(U ₁	
Service(s)		Classification
² Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick		E 120 C/U
² Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ Insulation (C/S)		E 120 C/U EI 60 C/U
² Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ Insulation (C/S) ² Steel or Copper Pipe 42mm Ø, 1.2 – 14.2mm wall thickness. 13-25mm thick K Flex		E 120 C/U EI 60 C/U E 120 C/U
² Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ Insulation (C/S)		E 120 C/U EI 60 C/U
² Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ Insulation (C/S) ² Steel or Copper Pipe 42mm Ø, 1.2 – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ insulation (C/S)		E 120 C/U EI 60 C/U E 120 C/U EI 90 C/U
² Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ Insulation (C/S) ² Steel or Copper Pipe 42mm Ø, 1.2 – 14.2mm wall thickness. 13-25mm thick K Flex		E 120 C/U EI 60 C/U E 120 C/U EI 90 C/U
² Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ Insulation (C/S) ² Steel or Copper Pipe 42mm Ø, 1.2 – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ insulation (C/S) ² Steel or Copper Pipe 42-108mm Ø, 1.2 – 14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM ⁴ insulation (C/S)		E 120 C/U EI 60 C/U E 120 C/U EI 90 C/U E 120 C/U EI 60 C/U
² Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ Insulation (C/S) ² Steel or Copper Pipe 42mm Ø, 1.2 – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ insulation (C/S) ² Steel or Copper Pipe 42-108mm Ø, 1.2 – 14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM ⁴ insulation (C/S) ² Steel or Copper Pipe 42mm Ø, 1.2–14.2mm wall thickness. 25 -40mm thick Kingspan		E 120 C/U EI 60 C/U E 120 C/U EI 90 C/U E 120 C/U EI 60 C/U E 120 C/U
² Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ Insulation (C/S) ² Steel or Copper Pipe 42mm Ø, 1.2 – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ insulation (C/S) ² Steel or Copper Pipe 42-108mm Ø, 1.2 – 14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM ⁴ insulation (C/S)		E 120 C/U EI 60 C/U E 120 C/U EI 90 C/U E 120 C/U EI 60 C/U

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.

²2 x 2mm thick layers of PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap installed both sides of the



⁴2 x 2mm thick layers of PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap installed both sides of the substrate within the Pattress installation

³Or equivalent elastomeric pipe insulation classified BL – s2, d0 or better to EN 13501-1

 $^{^4}$ Or equivalent Phenloic foam pipe insulation classified BL - s1, d0 or better to EN 13501-1

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Max Aperture 2600mm Wide x 2600mm High		
	3. 4. 5.	Supporting construction PFC Corofil Acoustic Intumescent Sealant PFC Corofil Coated Panel System PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap Insulation Penetration Service
Service(s)	ΛU	Classification
² Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ Insulation (C/S) ² Steel or Copper Pipe 42-159mm Ø, 1.2 – 14.2mm wall thickness. 25mm thick K Flex ST ³ insulation (C/S) ² Steel or Copper Pipe 42mm Ø, 1 – 14.2mm wall thickness. 25-13mm thick K Flex ST ³)(U	

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.

(II)

²2 x 2mm thick layers of PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap installed both sides of the substrate within the Pattress installation

³Or equivalent elastomeric pipe insulation classified BL − s2, d0 or better to EN 13501-1

⁴Or equivalent Phenloic foam pipe insulation classified BL – s1, d0 or better to EN 13501-1

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Max Aperture 730mm Wide x 1200mm High	
100	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service
Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 2mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m³ (C/S)	E 120 C/U EI 45 C/U
Steel or Copper Pipe 42mm Ø, 1mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m³ (C/S)	E 120 C/U EI 60 C/U

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.



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Max Aperture 2600mm Wide x 2600mm Hig	
	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. Insulation 5. Penetration Service
Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 2mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m³ (C/S)	E 60 C/U EI 45 C/U
Steel or Copper Pipe 42mm Ø, 1mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m^3 (C/S)	E 60 C/U EI 60 C/U

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.



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Max Aperture 730mm Wide x 1200m	
30mm overlap Pattress installed flush to soffit	Supporting construction
Service(s)	Classification
Steel or Copper Pipe 42mm Ø, 1.0mm – 14.2mm wall thickness. 50mm thi Kingspan³ (C/S 400mm)	ick EI 60 C/U

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 30mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres. No fixing is applied to the head flush to the soffit ²2 x 2mm thick layers of PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap installed both sides of the substrate within the Pattress installation

³Or equivalent Phenloic foam pipe insulation classified BL – s1, d0 or better to EN 13501-1



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Max Aperture 2600mm Wide x 2600mm H	
30mm overlap Pattress installed flush to soffit	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap 5. Insulation 6. Penetration Service
Service(s)	Classification
Steel or Copper Pipe 42mm Ø, 1.0mm – 14.2mm wall thickness. 50mm thick	EI 60 C/U

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 30mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres. No fixing is applied to the head flush to the soffit ²2 x 2mm thick layers of PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap installed both sides of the substrate within the Pattress installation

(UL)

³Or equivalent Phenloic foam pipe insulation classified BL – s1, d0 or better to EN 13501-1

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Single Layer Pattress, PFC Corofil Coated Panel System 50mm, Plastic Pipes

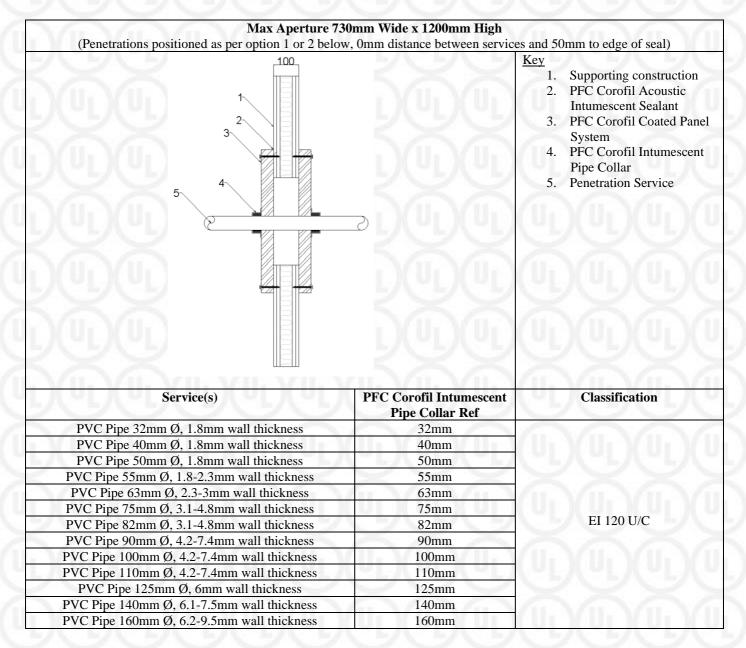
	nm Wide x 2600mm High	150
(Penetrations positioned as per option 1 or 2 below, 0	mm distance between service	
100		 Supporting construction PFC Corofil Acoustic Intumescent Sealant PFC Corofil Coated Pane System PFC Corofil Intumescent
	71 1/1 01 1/1 01	
Service(s)	PFC Corofil Intumescent Pipe	Classification
XXXXX	Intumescent Pipe Collar Ref	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness	Intumescent Pipe Collar Ref 32mm	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm 75mm	Classification EI 60 U/C
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm	
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm 90mm	
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness PVC Pipe 100mm Ø, 4.2-7.4mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm 90mm 100mm	
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness PVC Pipe 100mm Ø, 4.2-7.4mm wall thickness PVC Pipe 110mm Ø, 4.2-7.4mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm 90mm 100mm	
PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness PVC Pipe 50mm Ø, 1.8mm wall thickness PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness PVC Pipe 63mm Ø, 2.3-3mm wall thickness PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness PVC Pipe 100mm Ø, 4.2-7.4mm wall thickness	Intumescent Pipe Collar Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm 90mm 100mm	

Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the PFC Corofil Coated Panel System ¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.



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Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the PFC Corofil Coated Panel System ¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.



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Max Aperture 730mm Wide x 1200mm High (Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal) Key Supporting construction PFC Corofil Acoustic **Intumescent Sealant** PFC Corofil Coated Panel System PFC Corofil Intumescent Pipe Collar Penetration Service **PFC Corofil Intumescent** Classification Service(s) Pipe Collar Ref PP Pipe 32mm Ø, 2.9mm wall thickness 32mm PP Pipe 40mm Ø, 2.9mm wall thickness 40mm PP Pipe 50mm Ø, 2.9mm wall thickness 50mm PP Pipe 55mm Ø, 2.9-4.4mm wall thickness 55mm PP Pipe 63mm Ø, 2.9-4.4mm wall thickness 63mm PP Pipe 75mm Ø, 2.8-6.7mm wall thickness 75mm EI 120 U/C PP Pipe 82mm Ø, 2.8-6.7mm wall thickness 82mm PP Pipe 90mm Ø, 2.7-10mm wall thickness 90mm PP Pipe 100mm Ø, 2.7-10mm wall thickness 100mm PP Pipe 110mm Ø, 2.7-10mm wall thickness 110mm PP Pipe 125mm Ø, 3.1mm wall thickness 125mm PP Pipe 140mm Ø, 3.5-8mm wall thickness 140mm PP Pipe 160mm Ø, 4-14.6mm wall thickness 160mm

Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the PFC Corofil Coated Panel System ¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.



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Max Aperture 2600mm Wide x 2600mm High (Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal) Key Supporting construction PFC Corofil Acoustic **Intumescent Sealant** PFC Corofil Coated Panel System PFC Corofil Intumescent Pipe Collar Penetration Service **PFC Corofil Intumescent** Classification Service(s) Pipe Collar Ref PP Pipe 32mm Ø, 2.9mm wall thickness 32mm PP Pipe 40mm Ø, 2.9mm wall thickness 40mm PP Pipe 50mm Ø, 2.9mm wall thickness 50mm PP Pipe 55mm Ø, 2.9-4.4mm wall thickness 55mm PP Pipe 63mm Ø, 2.9-4.4mm wall thickness 63mm PP Pipe 75mm Ø, 2.8-6.7mm wall thickness 75mm EI 60 U/C PP Pipe 82mm Ø, 2.8-6.7mm wall thickness 82mm PP Pipe 90mm Ø, 2.7-10mm wall thickness 90mm PP Pipe 100mm Ø, 2.7-10mm wall thickness 100mm PP Pipe 110mm Ø, 2.7-10mm wall thickness 110mm PP Pipe 125mm Ø, 3.1mm wall thickness 125mm PP Pipe 140mm Ø, 3.5-8mm wall thickness 140mm PP Pipe 160mm Ø, 4-14.6mm wall thickness 160mm

Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the PFC Corofil Coated Panel System ¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.



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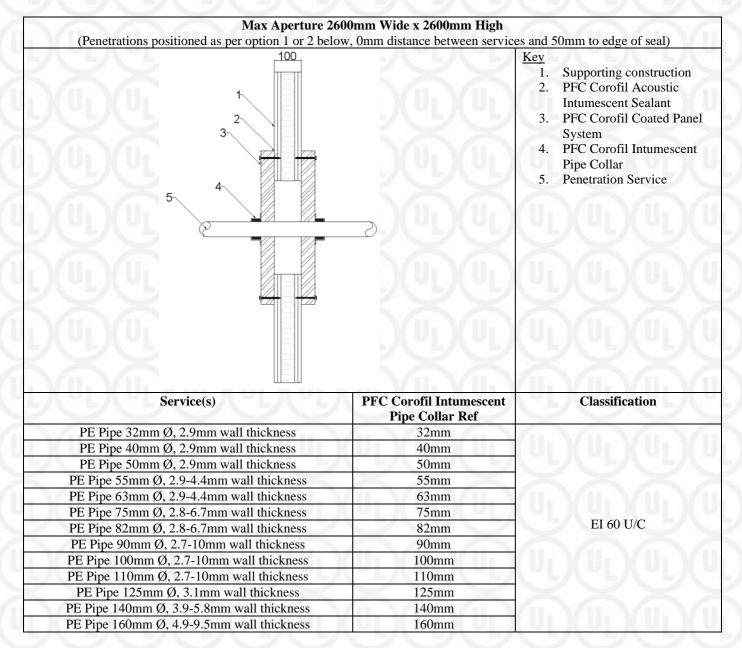
Max Aperture 730mm Wide x 1200mm High (Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal) Key Supporting construction PFC Corofil Acoustic **Intumescent Sealant** PFC Corofil Coated Panel System PFC Corofil Intumescent Pipe Collar Penetration Service **PFC Corofil Intumescent** Classification Service(s) Pipe Collar Ref PE Pipe 32mm Ø, 2.9mm wall thickness 32mm PE Pipe 40mm Ø, 2.9mm wall thickness 40mm PE Pipe 50mm Ø, 2.9mm wall thickness 50mm PE Pipe 55mm Ø, 2.9-4.4mm wall thickness 55mm PE Pipe 63mm Ø, 2.9-4.4mm wall thickness 63mm PE Pipe 75mm Ø, 2.8-6.7mm wall thickness 75mm EI 120 U/C PE Pipe 82mm Ø, 2.8-6.7mm wall thickness 82mm PE Pipe 90mm Ø, 2.7-10mm wall thickness 90mm PE Pipe 100mm Ø, 2.7-10mm wall thickness 100mm PE Pipe 110mm Ø, 2.7-10mm wall thickness 110mm PE Pipe 125mm Ø, 3.1mm wall thickness 125mm PE Pipe 140mm Ø, 3.9-5.8mm wall thickness 140mm PE Pipe 160mm Ø, 4.9-9.5mm wall thickness 160mm

Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the PFC Corofil Coated Panel System ¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.



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Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the PFC Corofil Coated Panel System ¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.

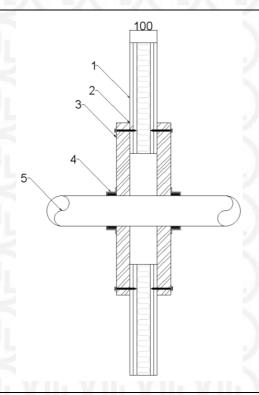


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Max Aperture 2600mm Wide x 2600mm High

(Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal)



Key

- 1. Supporting construction
- 2. PFC Corofil Acoustic Intumescent Sealant
- 3. PFC Corofil Coated Panel System
- 4. PFC Corofil Intumescent Pipe Collar
- 5. Penetration Service

Scope and Classifications as below

Intumescent Thickness			
Pipe Diameter	Intumescent Material		
ø 32 mm - ø 50 mm	40 mm (W) x 2 mm (T)		
ø 51 mm - ø 82 mm	40 mm (W) x 4 mm (T)		
ø 83 mm - ø 115 mm	40 mm (W) x 6 mm (T)		
ø 116 mm - ø 160 mm	40 mm (W) x 8 mm (T)		
ø 161 mm - ø 200 mm	40 mm (W) x 10 mm (T)		
ø 201 mm - ø 250 mm	40 mm (W) x 12 mm (T)		

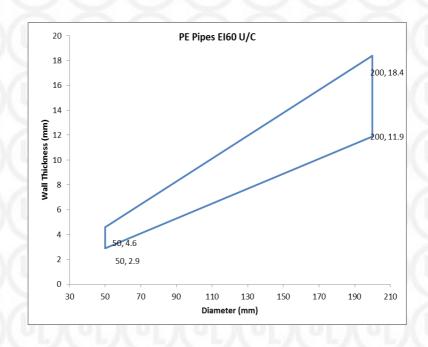
Wrap secured internally within both faces of the PFC Corofil Coated Panel System

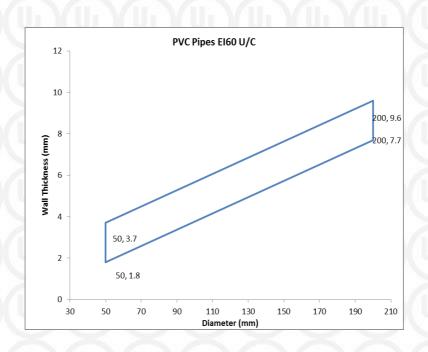
¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres.



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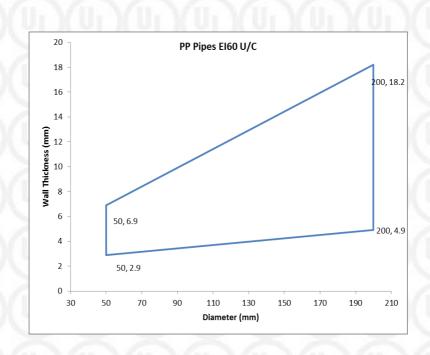






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Max Aperture 2600mm Wide x 260	00mm High
30mm overlap Pattress installed flush to soffit	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap 5. Penetration Service
Service(s)	Classification
PVC Pipe 110mm Ø, 4.2mm wall thickness	EI 60 C/U

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 30mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres. No fixing is applied to the head flush to the soffit ²4 x 2mm thick layers of PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap installed both sides of the substrate within the Pattress installation



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Max Aperture 2600mm Wide x 2600mm High	
30mm overlap Pattress installed flush to soffit	1. Supporting construction 2. PFC Corofil Acoustic Intumescent Sealant 3. PFC Corofil Coated Panel System 4. PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap 5. Penetration Service
Service(s)	Classification
PVC Pipe 110mm Ø, 4.2mm wall thickness	EI 60 C/U

¹Pattress installation of PFC Corofil Coated Panel System. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 30mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres. No fixing is applied to the head flush to the soffit ²4 x 2mm thick layers of PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap installed both sides of the substrate within the Pattress installation



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Rigid Floors Minimum Thickness 150mm

Double Layer, PFC Corofil Coated Panel System 50mm, Electrical Cables

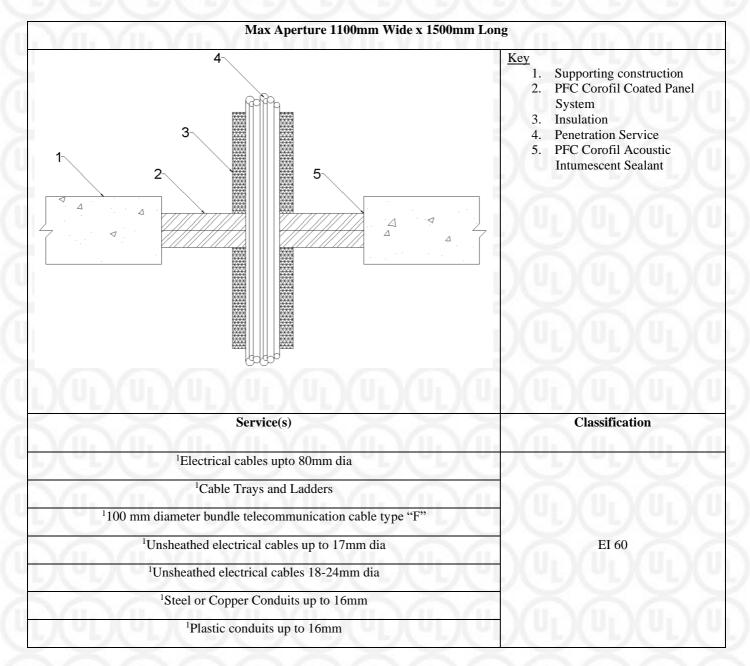
Max Aperture 1100mm Wide x 1500mm Lo	ong
	1. Supporting construction 2. PFC Corofil Coated Panel System 3. PFC Corofil High Expansion Intumescent Sealant 4. PFC Corofil Ablative Coating 5. Penetration Service 6. PFC Corofil Acoustic Intumescent Sealant
Penetration Specification	Classification
*500mm perforated cable tray	
*Electrical cables up to 21mm ø	
*1 off 'C1' Cable	EI 60
*1 off 'C2' Cable	
*1 off 'C3' Cable	

^{*}All cables coated with 2mm DFT PFC Corofil Ablative Coating 300mm along the cables upper side of the seal PFC Corofil High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the PFC Corofil Coated Panel System



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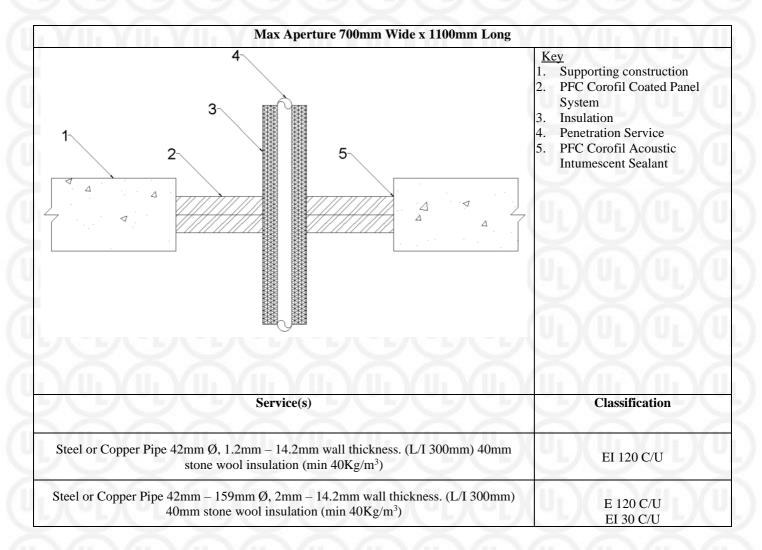
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¹Cables and cable trays wrapped with a single layer of 40mm thick stonewool, min 40kg/m³ (L/I 300mm)

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Double Layer, PFC Corofil Coated Panel System 50mm, Insulated Metallic Pipes

Max Aperture 1100mm Wide x 1500mm Long	
	 Key Supporting construction PFC Corofil Coated Panel System Insulation Penetration Service PFC Corofil Acoustic Intumescent Sealant
Service(s)	Classification
Steel or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m³)	E 90 C/U EI 60 C/U
Steel or Copper Pipe 42mm – 159mm Ø, 2mm – 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m³)	E 90 C/U EI 30 C/U



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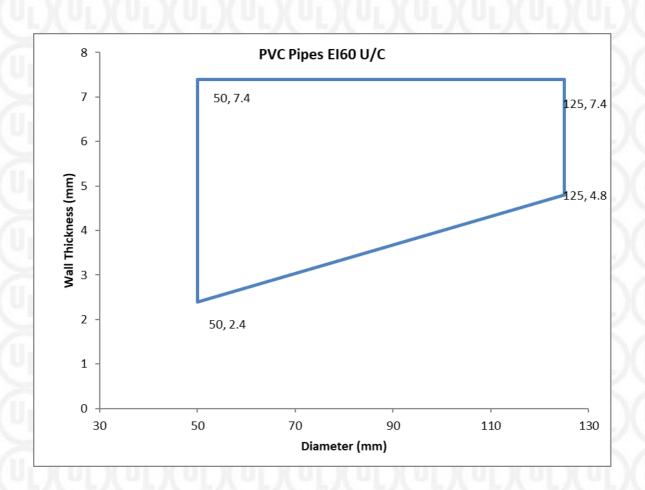
Double Layer, PFC Corofil Coated Panel System 50mm, Plastic Pipes

Max Aperture 750mm Wide x 1100mm Long 4-Key 1. Supporting construction PFC Corofil Coated Panel System 3. PFC Corofil High Expansion **Intumescent Sealant** 3 Penetration Service PFC Corofil Acoustic **Intumescent Sealant Penetration Specification** PFC Corofil High Expansion Intumescent Sealant Classification 20mm annulus, 25mm deep both faces of the PFC See graphs below Pipe Diameters as below Corofil Coated Panel System



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Max Aperture 750mm Wide x 1100mm Lon	1. Supporting construction 2. PFC Corofil Coated Panel System 3. PFC Corofil High Expansion Intumescent Sealant 4. Penetration Service 5. PFC Corofil Acoustic Intumescent Sealant
Penetration Specification	Classification
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness	
	Miry III Alia A
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness	EI 60 U/C
	EI 60 U/C
Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness	EI 60 U/C

PFC Corofil High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the PFC Corofil Coated Panel System



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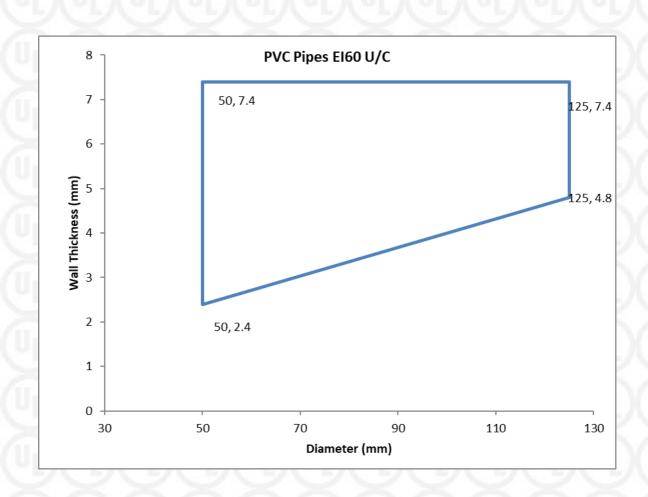
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Max Aperture 1100mm Wide x 1500mm Long 4 Key Supporting construction PFC Corofil Coated Panel System 3. PFC Corofil High Expansion **Intumescent Sealant** 5 3-4. Penetration Service 5. PFC Corofil Acoustic Intumescent Sealant **Penetration Specification PFC Corofil High Expansion Intumescent Sealant** Classification 20mm annulus, 25mm deep both faces of the PFC See graphs below Pipe Diameters as below Corofil Coated Panel System



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	Key 1. Supporting construction 2. PFC Corofil Coated Panel System 3. PFC Corofil High Expansion Intumescent Sealant 4. Penetration Service 5. PFC Corofil Acoustic Intumescent Sealant
Penetration Specification	Classification
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness	$(U_L)(U_L)(U_L)(U_L)$
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness	EI 60 U/C
Uponor MLC (Multi-Layer Composite) Pipe 75mm ø 7.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 90mm ø 8.5mm wall thickness	[](UL)(UL)(UL)(
Uponor MLC (Multi-Layer Composite) Pipe 110mm ø 10mm wall thickness	

PFC Corofil High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the PFC Corofil Coated Panel System



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Max Aperture 350mm Wide x 1000mm Long Key Supporting construction PFC Corofil Coated Panel System 3. PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap Penetration Service PFC Corofil Acoustic **Intumescent Sealant** PFC Corofil Universal Pipe Classification Service(s) Wrap/ PFC Corofil Intumescent Pipe Wrap Ref PVC Pipe up to 125mm Ø, 4.8-7.4mm wall thickness. 2mm thickness PP Pipe up to 40mm Ø, 3.1-17.1mm wall thickness. 2mm thickness EI 120 U/C PE Pipe up to 125mm Ø, 11.4mm wall thickness. 2mm thickness 2mm thickness E 120 U/C PE Pipe up to 125mm Ø, 3.1-11.4mm wall thickness. EI 90 U/C

¹PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap secured internally within both faces of the PFC Corofil Coated Panel System



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Max Aperture 1100mm Wide x 1500mm Long Supporting construction PFC Corofil Coated Panel System PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap Penetration Service PFC Corofil Acoustic **Intumescent Sealant** Classification Service(s) **PFC Corofil Universal Pipe** Wrap/ PFC Corofil Intumescent Pipe Wrap Ref PVC Pipe up to 125mm Ø, 4.8-7.4mm wall thickness. 2mm thickness PP Pipe up to 40mm Ø, 3.1-17.1mm wall thickness. 2mm thickness EI 60 U/C PE Pipe up to 125mm Ø, 11.4mm wall thickness. 2mm thickness

¹PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap secured internally within both faces of the PFC Corofil Coated Panel System

2mm thickness

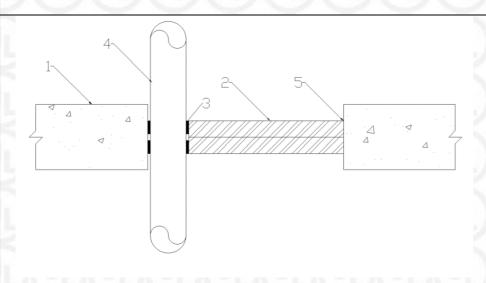
PE Pipe up to 125mm Ø, 3.1-11.4mm wall thickness.



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Max Aperture 350mm Wide x 1000mm Long



Key

- 1. Supporting construction
- PFC Corofil Coated Panel System
- PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap
- 4. Penetration Service
- 5. PFC Corofil Acoustic Intumescent Sealant

Service(s)	PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap Ref	Classification
PVC Pipe up to 125mm Ø, 4.8-7.4mm wall thickness.	2mm thickness	
PP Pipe up to 40mm Ø, 3.1-17.1mm wall thickness.	2mm thickness	EI 120 U/C
PE Pipe up to 125mm Ø, 11.4mm wall thickness.	2mm thickness	
PE Pipe up to 125mm Ø, 3.1-11.4mm wall thickness.	2mm thickness	E 120 U/C EI 90 U/C

¹PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap secured internally within both faces of the PFC Corofil Coated Panel System



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Max Aperture 1100mm Wide x 1500mm Long Supporting construction 1. PFC Corofil Coated Panel PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap Penetration Service PFC Corofil Acoustic **Intumescent Sealant** Classification **PFC Corofil Universal Pipe** Service(s) Wrap/ PFC Corofil **Intumescent Pipe Wrap Ref** PVC Pipe up to 125mm Ø, 4.8-7.4mm wall thickness. 2mm thickness PP Pipe up to 40mm Ø, 3.1-17.1mm wall thickness. 2mm thickness EI 60 U/C PE Pipe up to 125mm Ø, 11.4mm wall thickness. 2mm thickness 2mm thickness PE Pipe up to 125mm Ø, 3.1-11.4mm wall thickness.

¹PFC Corofil Universal Pipe Wrap/ PFC Corofil Intumescent Pipe Wrap secured internally within both faces of the PFC Corofil Coated Panel System



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Max Aperture 350mm Wide x 1000mm Long Key Supporting construction 1. 2-Penetration Service 3. PFC Corofil Coated Panel System PFC Corofil Acoustic Intumescent Sealant 5. PFC Corofil Intumescent Pipe **Penetration Specification PFC Corofil Intumescent Pipe Collar** Classification Pipe Diameters as below. Fixed to the underside of the PFC Corofil Coated EI 120 U/C Zero Distance Panel System utilising steel pig tail fixings

Penetration Specification	Collar Reference	Intumescent Material	
PVC Pipe 32mm Ø 1.8mm wall thickness	32mm PFC Corofil Intumescent Pipe Collar		
PVC Pipe 40mm Ø 1.8mm wall thickness	40mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 4mm (T)	
PVC Pipe 50mm Ø 1.8mm wall thickness	50mm PFC Corofil Intumescent Pipe Collar	ハンレハンレハ	
PVC Pipe 55mm Ø 2.3-2.8mm wall thickness	55mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 6mm (T)	
PVC Pipe 63mm Ø 2.3-2.8mm wall thickness	63mm PFC Corofil Intumescent Pipe Collar	Vin. Vin. V	
PVC Pipe 75mm Ø 3.1-4.4mm wall thickness	75mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 8mm (T)	
PVC Pipe 82mm Ø 3.1-4.4mm wall thickness	82mm PFC Corofil Intumescent Pipe Collar		
PVC Pipe 90mm Ø 4.2-6.6mm wall thickness	thickness 90mm PFC Corofil Intumescent Pipe Collar 30mm (W) x 10mm		
PVC Pipe 100mm Ø 4.2-6.6mm wall thickness	100mm PFC Corofil Intumescent Pipe Collar	Y Ur Y Ur Y	
PVC Pipe 110mm Ø 4.2-6.6mm wall thickness	110mm PFC Corofil Intumescent Pipe Collar		
PVC Pipe 125mm Ø 6.0mm wall thickness	125mm PFC Corofil Intumescent Pipe Collar	40mm (W) x 12mm (T)	
PVC Pipe 140mm Ø 6.1-7.5mm wall thickness	140mm PFC Corofil Intumescent Pipe Collar	VII. VII. V	
PVC Pipe 160mm Ø 6.2-9.5mm wall thickness	160mm PFC Corofil Intumescent Pipe Collar	ハーレハーレハ	



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Penetration Specification	Collar Reference	Intumescent Material	
PP Pipe 32mm Ø 2.9mm wall thickness	32mm PFC Corofil Intumescent Pipe Collar		
PP Pipe 40mm Ø 2.9mm wall thickness	40mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 4mm (T)	
PP Pipe 50mm Ø 2.9mm wall thickness	50mm PFC Corofil Intumescent Pipe Collar	DC U i DC U i DC U	
PP Pipe 55mm Ø 2.9-4.4mm wall thickness	55mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 6mm (T)	
PP Pipe 63mm Ø 2.9-4.4mm wall thickness	63mm PFC Corofil Intumescent Pipe Collar		
PP Pipe 75mm Ø 2.8-6.7mm wall thickness	75mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 8mm (T)	
PP Pipe 82mm Ø 2.8-6.7mm wall thickness	82mm PFC Corofil Intumescent Pipe Collar	ハーレバーレバー	
PP Pipe 90mm Ø 2.7-10.0mm wall thickness	90mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 10mm (T)	
PP Pipe 100mm Ø 2.7-10.0mm wall thickness	100mm PFC Corofil Intumescent Pipe Collar	V/0. V/0. V/0	
PP Pipe 110mm Ø 2.7-10.0mm wall thickness	110mm PFC Corofil Intumescent Pipe Collar)(U)(U)(U	
PP Pipe 125mm Ø 3.1mm wall thickness	125mm PFC Corofil Intumescent Pipe Collar	40mm (W) x 12mm (T)	
PP Pipe 140mm Ø 3.5-8.0mm wall thickness	140mm PFC Corofil Intumescent Pipe Collar	1. 1.	
PP Pipe 160mm Ø 4.0-14.6mm wall thickness	160mm PFC Corofil Intumescent Pipe Collar	$V \cup V \cup V \cup V \cup$	

Penetration Specification	Collar Reference	Intumescent Material	
PE Pipe 32mm Ø 2.9mm wall thickness	32mm PFC Corofil Intumescent Pipe Collar	75757	
PE Pipe 40mm Ø 2.9mm wall thickness	40mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 4mm (T)	
PE Pipe 50mm Ø 2.9mm wall thickness	50mm PFC Corofil Intumescent Pipe Collar	VII. VII. VI	
PE Pipe 55mm Ø 2.9-4.4mm wall thickness	55mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 6mm (T)	
PE Pipe 63mm Ø 2.9-4.4mm wall thickness	63mm PFC Corofil Intumescent Pipe Collar		
PE Pipe 75mm Ø 2.8-6.7mm wall thickness	75mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 8mm (T)	
PE Pipe 82mm Ø 2.8-6.7mm wall thickness	82mm PFC Corofil Intumescent Pipe Collar	M of M of M r	
PE Pipe 90mm Ø 2.7-10.0mm wall thickness	90mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 10mm (T)	
PE Pipe 100mm Ø 2.7-10.0mm wall thickness	100mm PFC Corofil Intumescent Pipe Collar	1	
PE Pipe 110mm Ø 2.7-10.0mm wall thickness	110mm PFC Corofil Intumescent Pipe Collar	Y Ur Y Ur Y I	
PE Pipe 125mm Ø 3.1mm wall thickness	125mm PFC Corofil Intumescent Pipe Collar	40mm (W) x 12mm (T)	
PE Pipe 140mm Ø 3.9-5.8mm wall thickness	140mm PFC Corofil Intumescent Pipe Collar	$\sim \sim \sim \sim$	
PE Pipe 160mm Ø 4.9-9.5mm wall thickness	160mm PFC Corofil Intumescent Pipe Collar	MILVIII VI	



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Double Layer, PFC Corofil Coated Panel System 50mm, Pattress Installed Electrical Cables

Max Aperture 1000mm Wide x 1300mm Long	g
	1. Supporting construction 2. PFC Corofil Coated Panel System 3. PFC Corofil High Expansion Intumescent Sealant 4. PFC Corofil Ablative Coating 5. Penetration Service 6. PFC Corofil Acoustic Intumescent Sealant
Penetration Specification	Classification
*500mm perforated cable tray	Vu Yu Yu Yu
LA LA LA LA LA LA LA LA LA	
*Electrical cables up to 21mm ø	
*Electrical cables up to 21mm ø *1 off 'C1' Cable	EI 60
<u> </u>	EI 60

^{*}All cables coated with 2mm DFT PFC Corofil Ablative Coating 300mm along the cables upper side of the seal PFC Corofil High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the PFC Corofil Coated Panel System



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Max Aperture 1000mm Wide x 1300mm Lor	ng Andrew Andrew
	1. Supporting construction 2. PFC Corofil Coated Panel System 3. Insulation 4. Penetration Service 5. PFC Corofil Acoustic Intumescent Sealant
Service(s)	Classification
¹ Electrical cables upto 80mm dia	Variation C
¹ Cable Trays and Ladders	MILA (III A (III) A (III A (III A (III) A (
¹ 100 mm diameter bundle telecommunication cable type "F"	
¹ Unsheathed electrical cables up to 17mm dia	EI 60
¹ Unsheathed electrical cables 18-24mm dia	
¹ Steel or Copper Conduits up to 16mm	VIIIVIIIVIIIVI
¹ Plastic conduits up to 16mm	ベルツいん

¹Cables and cable trays wrapped with a single layer of 40mm thick stonewool, min 40kg/m³ (L/I 300mm)

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Double Layer, PFC Corofil Coated Panel System 50mm, Pattress Installed Insulated Metallic Pipes

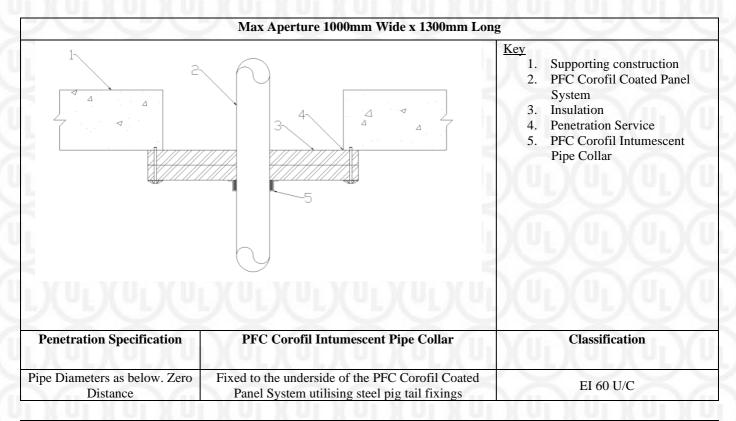
Max Aperture 1000mm Wide x 1300mm Lo	ng
	1. Supporting construction 2. PFC Corofil Coated Panel System 3. Insulation 4. Penetration Service 5. PFC Corofil Acoustic Intumescent Sealant
Service(s)	Classification
Steel or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m³)	EI 60 C/U
Steel or Copper Pipe $42mm-159mm\ \emptyset$, $2mm-14.2mm\ wall\ thickness$. (L/I 300mm) $40mm\ stone\ wool\ insulation\ (min\ 40Kg/m^3)$	E 60 C/U EI 30 C/U



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Double Layer, PFC Corofil Coated Panel System 50mm, Pattress Installed Plastic Pipes



Penetration Specification	Collar Reference	Intumescent Material
PVC Pipe 32mm Ø 1.8mm wall thickness	32mm PFC Corofil Intumescent Pipe Collar	Var. Var. Var
PVC Pipe 40mm Ø 1.8mm wall thickness	40mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 4mm (T)
PVC Pipe 50mm Ø 1.8mm wall thickness	50mm PFC Corofil Intumescent Pipe Collar	
PVC Pipe 55mm Ø 2.3-2.8mm wall thickness	55mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 6mm (T)
PVC Pipe 63mm Ø 2.3-2.8mm wall thickness	63mm PFC Corofil Intumescent Pipe Collar	3(U 3(U 3(U
PVC Pipe 75mm Ø 3.1-4.4mm wall thickness 75mm PFC Corofil Intumescent Pipe Collar		30mm (W) x 8mm (T)
PVC Pipe 82mm Ø 3.1-4.4mm wall thickness	82mm PFC Corofil Intumescent Pipe Collar	
PVC Pipe 90mm Ø 4.2-6.6mm wall thickness	90mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 10mm (T)
PVC Pipe 100mm Ø 4.2-6.6mm wall thickness	100mm PFC Corofil Intumescent Pipe Collar	ハーシハーシハー
PVC Pipe 110mm Ø 4.2-6.6mm wall thickness	110mm PFC Corofil Intumescent Pipe Collar	\times
PVC Pipe 125mm Ø 6.0mm wall thickness	125mm PFC Corofil Intumescent Pipe Collar	40mm (W) x 12mm (T)
PVC Pipe 140mm Ø 6.1-7.5mm wall thickness	140mm PFC Corofil Intumescent Pipe Collar	パピレパピレパピ
PVC Pipe 160mm Ø 6.2-9.5mm wall thickness	160mm PFC Corofil Intumescent Pipe Collar	



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Penetration Specification	Collar Reference	Intumescent Material	
PP Pipe 32mm Ø 2.9mm wall thickness	32mm PFC Corofil Intumescent Pipe Collar	\times	
PP Pipe 40mm Ø 2.9mm wall thickness	40mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 4mm (T)	
PP Pipe 50mm Ø 2.9mm wall thickness	50mm PFC Corofil Intumescent Pipe Collar	ハマレハマレルド	
PP Pipe 55mm Ø 2.9-4.4mm wall thickness	55mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 6mm (T)	
PP Pipe 63mm Ø 2.9-4.4mm wall thickness	63mm PFC Corofil Intumescent Pipe Collar	100000	
PP Pipe 75mm Ø 2.8-6.7mm wall thickness	75mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 8mm (T)	
PP Pipe 82mm Ø 2.8-6.7mm wall thickness	82mm PFC Corofil Intumescent Pipe Collar		
PP Pipe 90mm Ø 2.7-10.0mm wall thickness	90mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 10mm (T)	
PP Pipe 100mm Ø 2.7-10.0mm wall thickness	100mm PFC Corofil Intumescent Pipe Collar	Mille Mille Mil	
PP Pipe 110mm Ø 2.7-10.0mm wall thickness	110mm PFC Corofil Intumescent Pipe Collar	ハーレバーレバー	
PP Pipe 125mm Ø 3.1mm wall thickness	125mm PFC Corofil Intumescent Pipe Collar	40mm (W) x 12mm (T)	
PP Pipe 140mm Ø 3.5-8.0mm wall thickness	140mm PFC Corofil Intumescent Pipe Collar	Viii. Viii. Vii	
PP Pipe 160mm Ø 4.0-14.6mm wall thickness	160mm PFC Corofil Intumescent Pipe Collar	ハリしパりしパり	

Penetration Specification	Collar Reference	Intumescent Material	
PE Pipe 32mm Ø 2.9mm wall thickness	32mm PFC Corofil Intumescent Pipe Collar		
PE Pipe 40mm Ø 2.9mm wall thickness	40mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 4mm (T)	
PE Pipe 50mm Ø 2.9mm wall thickness	50mm PFC Corofil Intumescent Pipe Collar	ハーレハーレハー	
PE Pipe 55mm Ø 2.9-4.4mm wall thickness	55mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 6mm (T)	
PE Pipe 63mm Ø 2.9-4.4mm wall thickness	63mm PFC Corofil Intumescent Pipe Collar	Vin Vin Vin	
PE Pipe 75mm Ø 2.8-6.7mm wall thickness	75mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 8mm (T)	
PE Pipe 82mm Ø 2.8-6.7mm wall thickness	82mm PFC Corofil Intumescent Pipe Collar		
PE Pipe 90mm Ø 2.7-10.0mm wall thickness	90mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 10mm (T)	
PE Pipe 100mm Ø 2.7-10.0mm wall thickness	100mm PFC Corofil Intumescent Pipe Collar	1/ U+ 1/ U+ 1/ U	
PE Pipe 110mm Ø 2.7-10.0mm wall thickness	110mm PFC Corofil Intumescent Pipe Collar	ハーシヘーシヘ	
PE Pipe 125mm Ø 3.1mm wall thickness	125mm PFC Corofil Intumescent Pipe Collar	40mm (W) x 12mm (T)	
PE Pipe 140mm Ø 3.9-5.8mm wall thickness	140mm PFC Corofil Intumescent Pipe Collar	MIL MIL MI	
PE Pipe 160mm Ø 4.9-9.5mm wall thickness	160mm PFC Corofil Intumescent Pipe Collar	VALVALVA	



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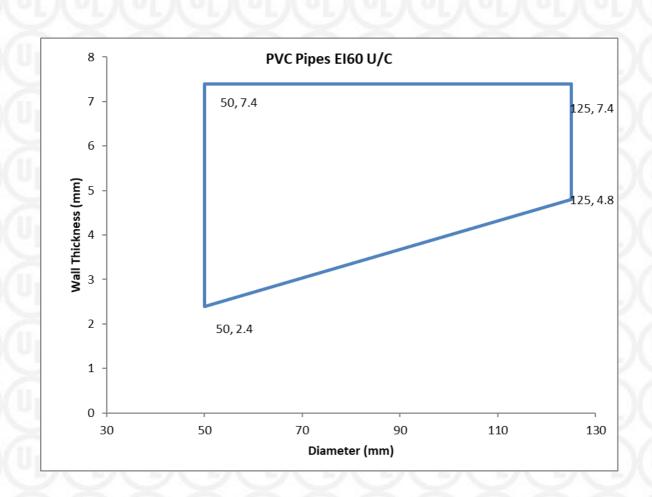
Double Layer, PFC Corofil Coated Panel System 50mm, Plastic Pipes

Max Aperture 1000mm Wide x 1300mm Long Key 1. Supporting construction 2. PFC Corofil Coated Panel System 3. PFC Corofil High Expansion **Intumescent Sealant** Penetration Service PFC Corofil Acoustic **Intumescent Sealant** PFC Corofil High Expansion Intumescent Sealant Classification **Penetration Specification** 20mm annulus, 25mm deep both faces of the PFC See graphs below Pipe Diameters as below Corofil Coated Panel System



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Max Aperture 1000mm Wide x 1300mm Long Key Supporting construction PFC Corofil Coated Panel System 3. PFC Corofil High **Expansion Intumescent** Sealant Penetration Service PFC Corofil Acoustic Intumescent Sealant **Penetration Specification** Classification Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness EI 60 U/C Uponor MLC (Multi-Layer Composite) Pipe 75mm ø 7.5mm wall thickness Uponor MLC (Multi-Layer Composite) Pipe 90mm ø 8.5mm wall thickness Uponor MLC (Multi-Layer Composite) Pipe 110mm ø 10mm wall thickness

 $PFC\ Corofil\ High\ Expansion\ In tumescent\ Sealant\ 20mm\ annulus\ full\ 50mm\ depth\ of\ the\ PFC\ Corofil\ Coated\ Panel\ System$



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Max Aperture 1000mm Wide x 1300mm Long 1. Supporting construction Penetration Service 3. PFC Corofil Coated Panel System 3 4. PFC Corofil Acoustic **Intumescent Sealant** 5. PFC Corofil Intumescent Pipe Collar **Penetration Specification PFC Corofil Intumescent Pipe Collar** Classification Fixed to the underside of the PFC Corofil Coated Pipe Diameters as below. EI 60 U/C Zero Distance Panel System utilising steel pig tail fixings

Penetration Specification	Collar Reference	Intumescent Material	
PVC Pipe 32mm Ø 1.8mm wall thickness	32mm PFC Corofil Intumescent Pipe Collar	~~~	
PVC Pipe 40mm Ø 1.8mm wall thickness	40mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 4mm (T)	
PVC Pipe 50mm Ø 1.8mm wall thickness	50mm PFC Corofil Intumescent Pipe Collar	ハーレハーレハー	
PVC Pipe 55mm Ø 2.3-2.8mm wall thickness	55mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 6mm (T)	
PVC Pipe 63mm Ø 2.3-2.8mm wall thickness	63mm PFC Corofil Intumescent Pipe Collar	Var Var Var	
PVC Pipe 75mm Ø 3.1-4.4mm wall thickness 75mm PFC Corofil Intumescent Pipe Collar		30mm (W) x 8mm (T)	
PVC Pipe 82mm Ø 3.1-4.4mm wall thickness	82mm PFC Corofil Intumescent Pipe Collar		
PVC Pipe 90mm Ø 4.2-6.6mm wall thickness	90mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 10mm (T)	
PVC Pipe 100mm Ø 4.2-6.6mm wall thickness	100mm PFC Corofil Intumescent Pipe Collar	DY UE BY UE BY U	
PVC Pipe 110mm Ø 4.2-6.6mm wall thickness	110mm PFC Corofil Intumescent Pipe Collar		
PVC Pipe 125mm Ø 6.0mm wall thickness	125mm PFC Corofil Intumescent Pipe Collar	40mm (W) x 12mm (T)	
PVC Pipe 140mm Ø 6.1-7.5mm wall thickness	140mm PFC Corofil Intumescent Pipe Collar	MIL VII. VI	
PVC Pipe 160mm Ø 6.2-9.5mm wall thickness	160mm PFC Corofil Intumescent Pipe Collar	人、「「人、」「「人」	



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Penetration Specification	Collar Reference	Intumescent Material	
PP Pipe 32mm Ø 2.9mm wall thickness	32mm PFC Corofil Intumescent Pipe Collar		
PP Pipe 40mm Ø 2.9mm wall thickness	40mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 4mm (T)	
PP Pipe 50mm Ø 2.9mm wall thickness	50mm PFC Corofil Intumescent Pipe Collar		
PP Pipe 55mm Ø 2.9-4.4mm wall thickness	55mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 6mm (T)	
PP Pipe 63mm Ø 2.9-4.4mm wall thickness	63mm PFC Corofil Intumescent Pipe Collar	7)(Ur)(Ur)(Ur)(U	
PP Pipe 75mm Ø 2.8-6.7mm wall thickness	75mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 8mm (T)	
PP Pipe 82mm Ø 2.8-6.7mm wall thickness	82mm PFC Corofil Intumescent Pipe Collar		
PP Pipe 90mm Ø 2.7-10.0mm wall thickness	90mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 10mm (T)	
PP Pipe 100mm Ø 2.7-10.0mm wall thickness	100mm PFC Corofil Intumescent Pipe Collar	ハーレハーレハー	
PP Pipe 110mm Ø 2.7-10.0mm wall thickness	110mm PFC Corofil Intumescent Pipe Collar		
PP Pipe 125mm Ø 3.1mm wall thickness	125mm PFC Corofil Intumescent Pipe Collar	40mm (W) x 12mm (T)	
PP Pipe 140mm Ø 3.5-8.0mm wall thickness	140mm PFC Corofil Intumescent Pipe Collar	M OF WALK	
PP Pipe 160mm Ø 4.0-14.6mm wall thickness	160mm PFC Corofil Intumescent Pipe Collar		

Penetration Specification	Collar Reference	Intumescent Material	
PE Pipe 32mm Ø 2.9mm wall thickness	32mm PFC Corofil Intumescent Pipe Collar	VATVATVA	
PE Pipe 40mm Ø 2.9mm wall thickness	40mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 4mm (T)	
PE Pipe 50mm Ø 2.9mm wall thickness	50mm PFC Corofil Intumescent Pipe Collar	Va \/a \/a	
PE Pipe 55mm Ø 2.9-4.4mm wall thickness	55mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 6mm (T)	
PE Pipe 63mm Ø 2.9-4.4mm wall thickness	63mm PFC Corofil Intumescent Pipe Collar		
PE Pipe 75mm Ø 2.8-6.7mm wall thickness	75mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 8mm (T)	
PE Pipe 82mm Ø 2.8-6.7mm wall thickness	82mm PFC Corofil Intumescent Pipe Collar	MIII MII MII	
PE Pipe 90mm Ø 2.7-10.0mm wall thickness	90mm PFC Corofil Intumescent Pipe Collar	30mm (W) x 10mm (T)	
PE Pipe 100mm Ø 2.7-10.0mm wall thickness	100mm PFC Corofil Intumescent Pipe Collar	\times	
PE Pipe 110mm Ø 2.7-10.0mm wall thickness	110mm PFC Corofil Intumescent Pipe Collar	VIII. VIII. VIII	
PE Pipe 125mm Ø 3.1mm wall thickness	125mm PFC Corofil Intumescent Pipe Collar	40mm (W) x 12mm (T)	
PE Pipe 140mm Ø 3.9-5.8mm wall thickness	140mm PFC Corofil Intumescent Pipe Collar		
PE Pipe 160mm Ø 4.9-9.5mm wall thickness	160mm PFC Corofil Intumescent Pipe Collar	1/11/11/11	



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Substrate	Minimum Maximum Substrate Seal width Seal (Duct Specification (Duct must be classified in accordance with	Fire Resistance (mins.)														
Substrate	Thickness	(mm)	Depth (mm)	Duct B	EN 13501-3/4 for the required period)	E	S											
Drywall/ Concrete/	100	100	200*	A	r)(nr)(nr)(nr)(n	60	120											
Masonry wall	100	100	200	В		120	Nu											
Concrete	150	250	275**	A	EN 13501-3 - Uninsulated 1.0mm GMS steel, rectangular duct, maximum dimensions 1250 mm wide by 1000 mm high.	120	120											
floor	130	250	273	213	213	213	213								В		120	火
Drywall/ Concrete/ Masonry wall	100	100	400***	A	I_L $(U_L)(U_L)(U_L)(U_L)$	60	120											
Drywall/ Concrete/ Masonry wall	100	100	200*	В	EN 13501-3 - Uninsulated 1.0mm GMS steel, rectangular duct, maximum dimensions 1250 mm wide by 1000 mm high. Duct insulated with Insulfrax 128 kg/m³, 25 mm thick for a length of 400 mm through the penetration seal (100 mm extending from both faces of the seal)	120												
Drywall/ Concrete/ Masonry wall	100	100	200*	С	EN 13501-4 - Uninsulated 1.0mm GMS steel, rectangular duct, maximum dimensions 1250 mm wide by 1000 mm high. Duct insulated with Insulfrax 128 kg/m³, 25 mm thick for a length of 400 mm through the penetration seal (100 mm extending from both faces of the seal)	120	120											

^{* 4} layers, outer layers overlapped



^{**} 50 mm PFC Corofil Coated Panel System/100 mm PFC Corofil Firestop Compound High Strength /125 mm PFC Corofil Coated Panel System

^{*** 2} layers + 1 layer, 150 mm long fixed (with 75 and 100 mm pigtail screws and bedded on PFC Corofil High Expansion Intumescent Sealant) around the duct to form a collar on both faces of the main seal.

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

The Production site may reproduce the Mark or obtain it from a UL authorized supplier. The list of UL authorized suppliers can be found on UL's online directory at www.ul.com.

