UL-EU CERTIFICATE

Certificate No. UL-EU-01208-CPR

Page 1/157

Date of Issue 2021-09-28

Certificate Holder ROCKWOOL Ltd

Wern Tarw Pencoed Bridgend South Wales CF35 6NY

Manufacturer A/008

Certified Product Type Fire Stop – Coated Board Product Trade Name FirePro Ablative Coated Batt

Trademark N/A

Rating/Classification See Appendix

Harmonised Technical Specifications EXPITY date ETAG 026-2 / EN 13501-2 / EN 13501-3 2031-09-27





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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.



Certificate No. UL-EU-01208-CPR

Page 2/157

Date of Issue 2021-09-28

This certificate relates to the use of FirePro Ablative Coated Batt 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 FirePro Ablative Coated Batt is Z_1 - intended for use at internal conditions with high humidity, excluding temperatures below 0° 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 FirePro Ablative Coated Batt shall be classified (EN13501-3/4) for the required performance period, in addition to the details given on page 156.



Certificate No. UL-EU-01208-CPR

Page 3/157

Date of Issue 2021-09-28

Product-type: Coated board	Intended use: Penet	
Basic requirement for construction work	Basic Requirement	Basic requirement for construction work
VII. VII. VIII	BWR 1 Mechanical resistance and stabili	ty
ノバルイル	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	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
XULXULXUE	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 U 1 Y U 1 Y U	General aspects relating to fitness for us	e
ISO 8339: 2005, ISO 9046: 2004 & ISO 7389: 2003	Durability and serviceability	Z_{l}
M T M T M T M T B	WR 7 Sustainable use of natural resource	ees
		No performance determined



Certificate No. UL-EU-01208-CPR

Page 4/157

Date of Issue 2021-09-28

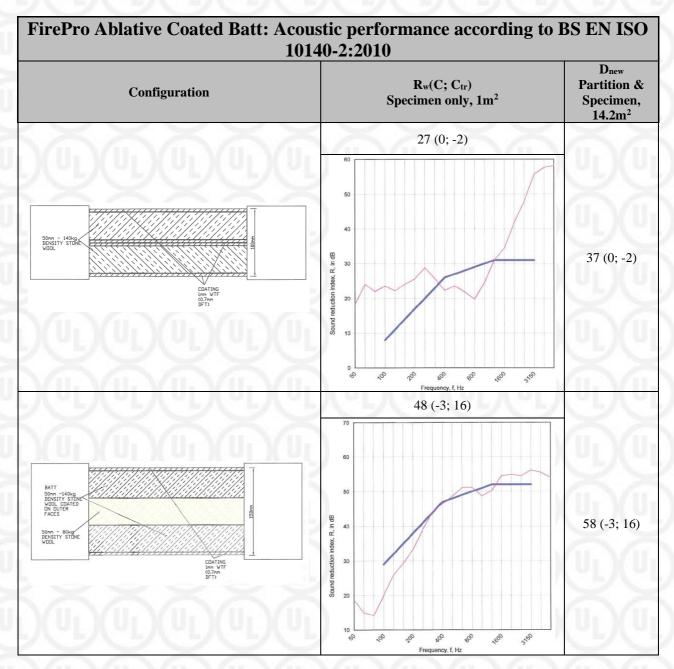
FirePro Ablative Coated Batt: Air Permeability according to BS EN 1026				
Pressure (Pa)	Results under positive chamber pressure		Results under negative chamber pressure	
Tressure (Ta)	Leakage (m³/h)	Leakage (m³/m²/ h)	Leakage (m³/h)	Leakage (m³/m²/ h)
50	0.6	0.8	1.1	1.5
100	1.0	1.4	1.3	1.8
150	2.8	3.9	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	6.7	9.3	2.2	3.1



Certificate No. UL-EU-01208-CPR

Page 5/157

Date of Issue 2021-09-28

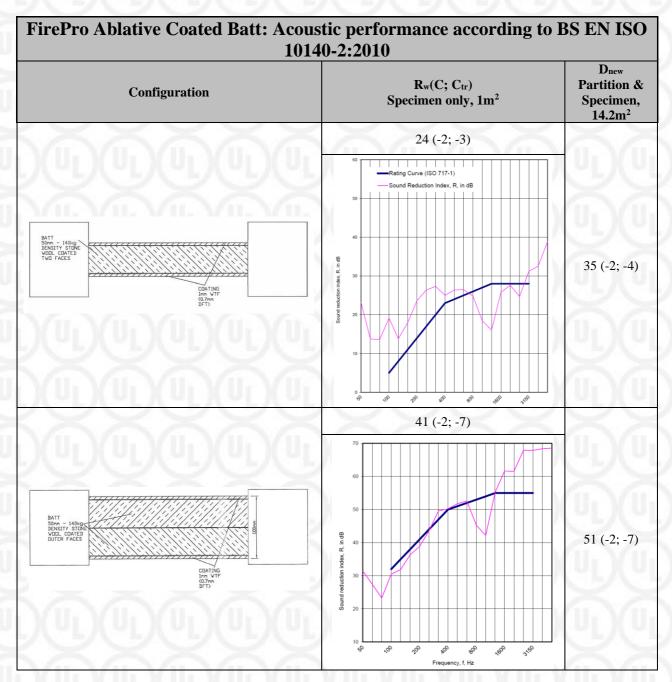




Certificate No. UL-EU-01208-CPR

Page 6/157

Date of Issue 2021-09-28





Certificate No. UL-EU-01208-CPR

Page 7/157

Date of Issue 2021-09-28

Rigid Walls Minimum Thickness 70mm

Single Layer Pattress FirePro Ablative Coated Batt 50mm, Electrical Cables

Max Aperture 730mm Wide x 1200mm High 1. Supporting Construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 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



¹Patress installation of FirePro Ablative Coated Batt. 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

Certificate No. UL-EU-01208-CPR

Page 8/157

Date of Issue 2021-09-28

Single Layer Pattress FirePro Ablative Coated Batt 50mm, Electrical Cables and Conduits

70	Key	
	1.	Supporting Construction
	2.	FirePro Acoustic Intumescent Sealant
2-	3.	FirePro Ablative Coated Batt
4	4.	Service Penetration
	D)(
	N	
	₹)	
	IJ	
·	1)(
	<	CI territoria
rvice(s)	IJ	Classification
nm dia Adaptaflex SPL20 flexible conduit	N	EI 90
mm dia Kopex KSU 316 stainless steel flexible conduit 0mm wide x 60mm deep steel cable tray containing 4 x FP200 Gold (Firealarm cable 7mm		

¹Patress installation of FirePro Ablative Coated Batt. 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



Certificate No. UL-EU-01208-CPR

Page 9/157

Date of Issue 2021-09-28

Single Layer Pattress FirePro Ablative Coated Batt 50mm, Electrical Cables

Max Aperture 2600mm Wide x 2600mm High Key **Supporting Construction** FirePro Acoustic Intumescent Sealant FirePro Ablative Coated Batt Service Penetration \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 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

¹Patress installation of FirePro Ablative Coated Batt. 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



Certificate No. UL-EU-01208-CPR

Page 10/157
Date of Issue 2021-09-28

Single Layer Pattress FirePro Ablative Coated Batt 50mm, Electrical Cables and Conduits

I. Supporting Construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Service Penetration Classification Omm dia Adaptaflex SPL20 flexible conduit Omm dia Kopex KSU 316 stainless steel flexible conduit El 60	Max Aperture 2600mm Wide x 2600mm High	LM	LLVLV
Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Service Penetration Classification Omm dia Adaptaflex SPL20 flexible conduit Omm dia Kopex KSU 316 stainless steel flexible conduit EI 60	70	<u>Key</u> 1.	
ervice(s) Classification Classification Omm dia Adaptaflex SPL20 flexible conduit Omm dia Kopex KSU 316 stainless steel flexible conduit El 60	1-	2.	FirePro Acoustic Intumescent Sealant
ervice(s) Classification Omm dia Adaptaflex SPL20 flexible conduit Omm dia Kopex KSU 316 stainless steel flexible conduit El 60		3.	
ervice(s) Classification Omm dia Adaptaflex SPL20 flexible conduit Omm dia Kopex KSU 316 stainless steel flexible conduit El 60	3-4-	4.	Service Penetration
Pervice(s) Classification Omm dia Adaptaflex SPL20 flexible conduit Omm dia Kopex KSU 316 stainless steel flexible conduit EI 60	'\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2	
Prvice(s) Classification Omm dia Adaptaflex SPL20 flexible conduit Omm dia Kopex KSU 316 stainless steel flexible conduit EI 60		Ŋ	
Prvice(s) Classification Omm dia Adaptaflex SPL20 flexible conduit Omm dia Kopex KSU 316 stainless steel flexible conduit EI 60)(UL)(U	r)(
Classification Omm dia Adaptaflex SPL20 flexible conduit Omm dia Kopex KSU 316 stainless steel flexible conduit EI 60	$(U_L)(U_L)(U_L)(U_L)(U_L)(U_L)(U_L)(U_L)$	1)(
Omm dia Adaptaflex SPL20 flexible conduit Omm dia Kopex KSU 316 stainless steel flexible conduit EI 60	Mi.Mi	Ń	
Omm dia Kopex KSU 316 stainless steel flexible conduit EI 60	ervice(s)	Ŀ٨	Classification
Omm dia Kopex KSU 316 stainless steel flexible conduit EI 60	Omm dia Adaptaflex SPL20 flexible conduit	N	II. VII. V
	0mm dia Kopex KSU 316 stainless steel flexible conduit 50mm wide x 60mm deep steel cable tray containing 4 x FP200 Gold (Firealarm cable 7mm		EI 60

¹Patress installation of FirePro Ablative Coated Batt. 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



Certificate No. UL-EU-01208-CPR

Page 11/157
Date of Issue 2021-09-28

Rigid Walls Minimum Thickness 75mm

Single Layer Pattress FirePro Ablative Coated Batt 50mm, Electrical Cables and Cable Trunking

Max Aperture 2600mm Wide x 2600mm High	U <u>r)(</u>	nr)(nr)(n
75	<u>Key</u> 1.	Supporting Construction
2- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-	2.	FirePro Acoustic Intumescent Sealant
4	3.	FirePro Ablative Coated Batt
	4.	Insulation
	5.	Service Penetration
Service(s)	u Y	Classification
150mm x 150mm Insulated steel cable trunking, Stone Wool 40mm thick, 45kg/m³ (LI 400mm). Firepro Intumescent Pillow CE 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	-	EI 60
Cables 1xC1 Unsheathed electrical cables 0-24mm dia	- V	

¹Patress installation of FirePro Ablative Coated Batt. 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



Certificate No. UL-EU-01208-CPR

Page 12/157
Date of Issue 2021-09-28

Single Layer Pattress FirePro Ablative Coated Batt 50mm, Electrical Cables and Cable Trunking

Max Aperture 2600mm Wide x 2600mm High	
r ⁷⁵ 1	Key 1. Supporting Construction
	FirePro Acoustic Intumescent Sealant
	3. FirePro Ablative Coated Batt
4 3 2 .	4. <u>Insulation</u>
	5. <u>Service Penetrations</u>
	Ni Vi Vi
	MIL VIII VI
Service(s)	Classification
50mm x 50mm Insulated steel cable trunking, Stone Wool 40mm thick, 45kg/m³ (LI 400mm). Firepro Intumescent Pillow CE tightly fitted around the cables in the section of trunking within the depth of the partition	EI 60 U/U
Cables 1xA1, 1xA2, 1xA3	VII.VII.V
Cables 1xA1 Cables 1xA2	EI 60
Cables 1xA3	(XXX)

¹Patress installation of FirePro Ablative Coated Batt. 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



Certificate No. UL-EU-01208-CPR

Page 13/157
Date of Issue 2021-09-28

Single Layer FirePro Ablative Coated Batt 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 FirePro Ablative Coated Batt

75 1
3 5 4
A

Key

- 1. Supporting construction
- 2. <u>FirePro Acoustic Intumescent</u> <u>Sealant</u>
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Service Penetration

Service(s)	Firepro Pipe Collar CE Ref	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness	32mm	$\times \times \rangle$
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	EI 60 U/C
PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	82mm	EI 00 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	



Certificate No. UL-EU-01208-CPR

Page 14/157
Date of Issue 2021-09-28

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 FirePro Ablative Coated Batt

7.5 4 2 3 5 4

Key

- 1. Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Service Penetration

Service(s)	Firepro Pipe Collar CE 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	



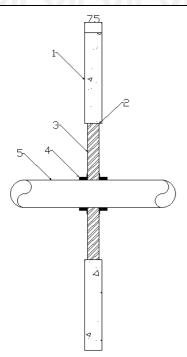
Certificate No. UL-EU-01208-CPR

Page 15/157
Date of Issue 2021-09-28

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 FirePro Ablative Coated Batt



Key

- 1. Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Service Penetration

Service(s)	Firepro Pipe Collar CE 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	



Certificate No. UL-EU-01208-CPR

Page 16/157
Date of Issue 2021-09-28

Rigid Walls Minimum Thickness 100mm

Double Layer FirePro Ablative Coated Batt 50mm, Electrical Cables and Conduits

Max Aperture 2600mm Wide x 2600mm High	(Un YOUN (Un YOUN (U
	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Service Penetration
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	/11
Steel or Copper Conduits up to 16mm	E 60 C/U
Plastic conduits up to 16mm	EI 60 C/U



Certificate No. UL-EU-01208-CPR

Page 17/157
Date of Issue 2021-09-28

Double Layer FirePro Ablative Coated Batt 50mm, Insulated Metallic Pipes

100 1 00 2 0 0 3 0 0 4 0 0 3 0 0 4 0 0 3 0 0 4 0 0 3 0 0 4 0 0 8 0 0	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Ba 4. Insulation 5. Penetration Service 6. FirePro High Expansion Intumescent Sealant
	Classification
Service(s)	CALVELY ALV

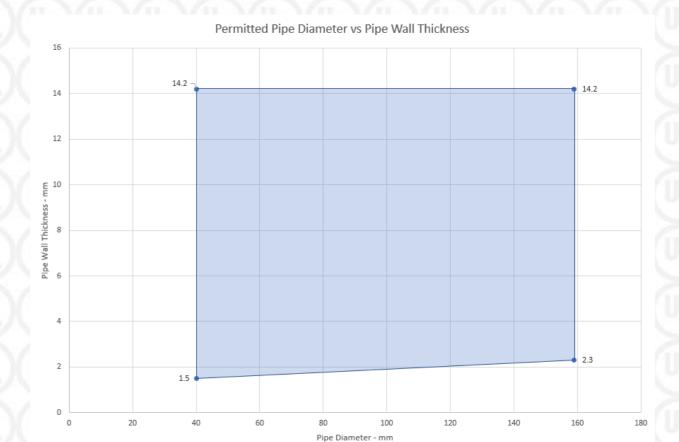
¹15mm deep x 15mm wide annulus FirePro High Expansion Intumescent Sealant Sealant to both faces of the pipe



Certificate No. UL-EU-01208-CPR

Page 18/157

Date of Issue 2021-09-28





Certificate No. UL-EU-01208-CPR

Page 19/157

Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm High	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Ba 4. FirePro High Expansion Intumescent Sealant 5. Insulation 6. Penetration Service
5 4	
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/m³)	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/m ³)	EI 60 U/C

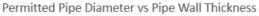
¹15mm deep x 15mm wide annulus FirePro High Expansion Intumescent Sealant to both faces of the pipe

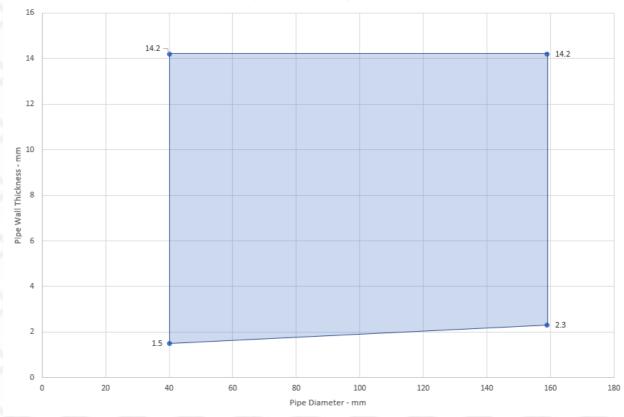


Certificate No. UL-EU-01208-CPR

Page 20/157

Date of Issue 2021-09-28







Certificate No. UL-EU-01208-CPR

Page 21/157
Date of Issue 2021-09-28

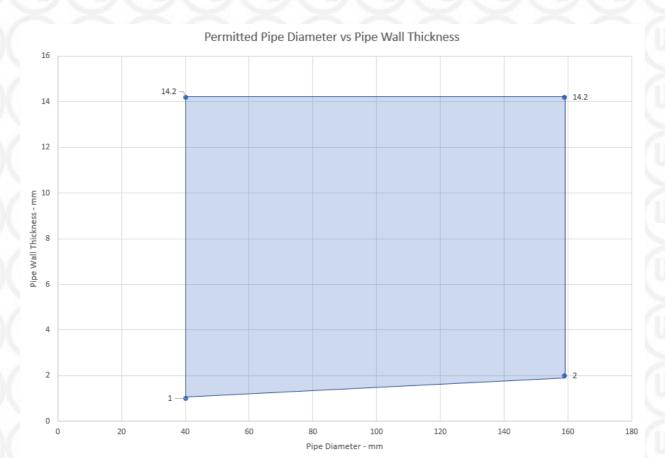
Max Aperture 730mm Wide x 1200mm High	YIII YIII YII Y
	Key 1. Supporting construction 2. FirePro Acoustic Intumescen Sealant 3. FirePro Ablative Coated Batt 4. Insulation 5. Penetration Service
Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 1.0mm – 14.2mm wall thickness (see graph below). 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



Certificate No. UL-EU-01208-CPR

Page 22/157

Date of Issue 2021-09-28





Certificate No. UL-EU-01208-CPR

Page 23/157

Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm High	1)(1	1. 2.	Supporting construction FirePro Acoustic Intumescen
1-		3. 4.	Sealant FirePro Ablative Coated Batt Insulation
2		5.	Penetration Service
3		0	
5		1)(1	
		50	
		50	
)(
\$\frac{1}{2}.)(
Service(s)	M)(U)(Classification
Steel or Copper Pipe 42-159mm Ø, 1.0mm – 14.2mm wall thick below). 25mm thick foil faced glassfibre insulation min. 30k	ness (see graph g/m³ (C/S))((E 60 C/U EI 45 C/U
Steel or Copper Pipe 42mm Ø, 1mm – 14.2mm wall thickness. 2 faced glassfibre insulation min. 30kg/m³ (C/S)	5mm thick foil	52	E 60 C/U EI 60 C/U

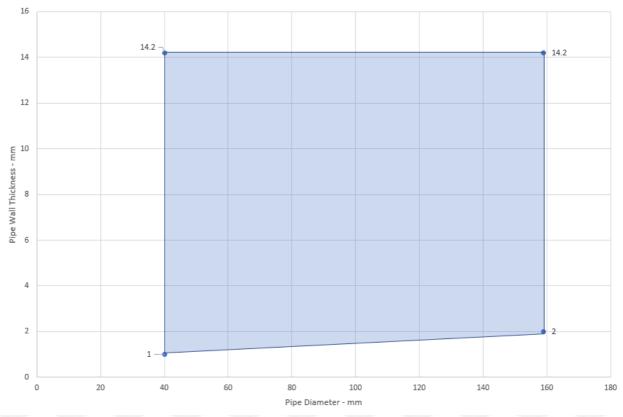


Certificate No. UL-EU-01208-CPR

Page 24/157

Date of Issue 2021-09-28







Certificate No. UL-EU-01208-CPR

Page 25/157
Date of Issue 2021-09-28

Date of Issue 2021-05-20

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. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. FIREPRO® Ablative Liquid 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, FIREPRO®	E 120 C/U
Ablative Liquid along the penetration 2mm DFT (L/I 300mm) Steel or Copper Pipe 42-159mm Ø, 1.0mm – 14.2mm wall thickness (see graph	EI 45 C/U E 120 C/U
below), FIREPRO® Ablative Liquid along the penetration 2mm DFT (L/I 300mm)	EI 20 C/U
Steel 42-324mm Ø, 16mm wall thickness. 14.2mm wall thickness FIREPRO®	E 120 C/U
Ablative Liquid along the penetration 2mm DFT (L/I 300mm)	EI 45 C/U

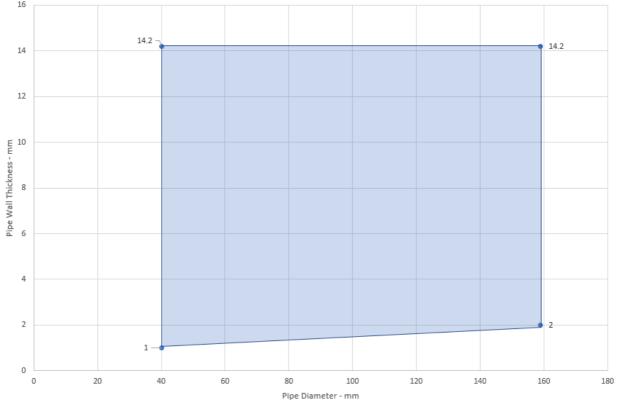


UL-EU-01208-CPR Certificate No.

> 26/157 Page

2021-09-28 **Date of Issue**







Certificate No. UL-EU-01208-CPR

Page 27/157
Date of Issue 2021-09-28

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 FirePro Acoustic Intumescent Sealant FirePro Ablative Coated Batt Insulation 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, FIREPRO® E 60 C/U Ablative Liquid 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), FIREPRO® Ablative Liquid along the penetration 2mm DFT (L/I 300mm) EI 20 C/U Steel 42-324mm Ø, 16mm wall thickness. 14.2mm wall thickness FIREPRO® E 60 C/U

Ablative Liquid along the penetration 2mm DFT (L/I 400mm)

27-CP-F0855 Issue: 3.1



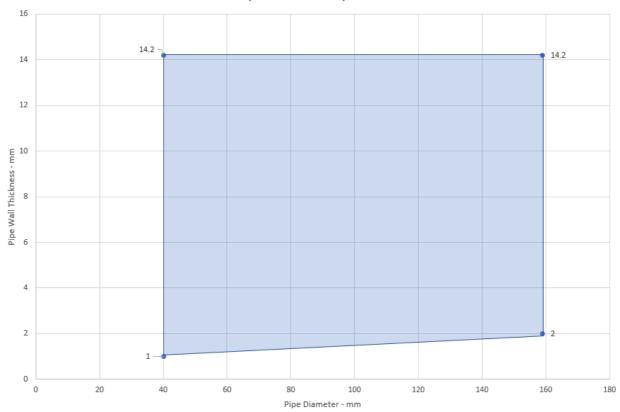
EI 45 C/U

Certificate No. UL-EU-01208-CPR

Page 28/157

Date of Issue 2021-09-28

Permitted Pipe Diameter vs Pipe Wall Thickness





Certificate No. UL-EU-01208-CPR

Page 29/157

Date of Issue 2021-09-28

Max Aperture 750mm Wide x 1200mm Hig	gh
100 2 A. A. A. A. A. A. A. A. A. A.	 Supporting construction FirePro Acoustic Intumescent Sealant FirePro Ablative Coated Batt Insulation Penetration Service FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE
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)	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 insulation ² (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 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 FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE installed both sides of the FirePro Ablative Coated Batt



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

Certificate No. UL-EU-01208-CPR

Page 30/157
Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm Hi	gh
1 100 1 2 4	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Insulation 5. Penetration Service 6. FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE
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

 $^{^{1}}$ 2 x 2mm thick layers of FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE installed both sides of the FirePro Ablative Coated Batt



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

Certificate No. UL-EU-01208-CPR

Page 31/157

Date of Issue 2021-09-28

Max Aperture 730mm Wide x 1200mm H	ligh
	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. FirePro 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

 $^{^{1}}$ FirePro High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the FirePro Ablative Coated Batt 2 Or equivalent elastomeric pipe insulation classified BL - s2, d0 or better to EN 13501-1



Certificate No. UL-EU-01208-CPR

Page 32/157
Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm H	ligh
	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. FirePro 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 60 C/U
¹ 500mm steel cable tray	E 60 EI 15

 $^{^1}$ FirePro High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the FirePro Ablative Coated Batt 2 Or equivalent elastomeric pipe insulation classified BL - s2, d0 or better to EN 13501-1



Certificate No. UL-EU-01208-CPR

Page 33/157

Date of Issue 2021-09-28

Double Layer FirePro Ablative Coated Batt 50mm, 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 FirePro Ablative Coated Batt

100
1
2 4.
5 4
<u> </u>
1. d 2. d 3. d

Key

- 1. Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE 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	
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	EI 120 U/C
PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	82mm	EI 120 0/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	



Certificate No. UL-EU-01208-CPR

Page 34/157
Date of Issue 2021-09-28

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 FirePro Ablative Coated Batt

100

<u>Key</u>

- 1. Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE Ref	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness	32mm	EI 60 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	
PVC Pipe 160mm Ø, 6.2-9.5mm wall thickness	160mm	



Certificate No. UL-EU-01208-CPR

Page 35/157
Date of Issue 2021-09-28

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 FirePro Ablative Coated Batt

Kev

- 1. Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE 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 120 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	

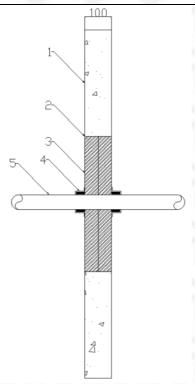


Certificate No. UL-EU-01208-CPR

Page 36/157
Date of Issue 2021-09-28

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 FirePro Ablative Coated Batt



Key

- 1. Supporting construction
- FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE 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	

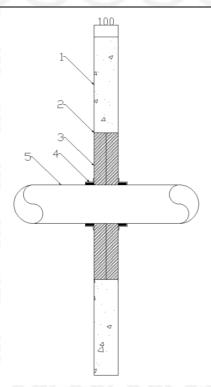


Certificate No. UL-EU-01208-CPR

Page 37/157
Date of Issue 2021-09-28

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 FirePro Ablative Coated Batt



Key

- 1. Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE 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	

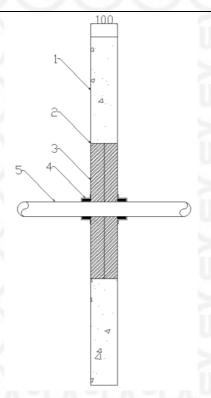


Certificate No. UL-EU-01208-CPR

Page 38/157
Date of Issue 2021-09-28

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 FirePro Ablative Coated Batt



Key

- 1. Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE 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	



Certificate No. UL-EU-01208-CPR

Page 39/157
Date of Issue 2021-09-28

Double Layer FirePro Ablative Coated Batt 50mm, Insulated Plastic Pipes

(Penetrations positioned as per option 1 or 2 below, 100mr	m distance between services and 50mm to edge of seal)
L100	<u>Key</u>
	1. Supporting construction
	2. FirePro Acoustic Intumescent
	Sealant
2 4 1/2	3. FirePro Ablative Coated Batt
3	4. FirePro Intumescent Pipewrap
5 4	Roll/ FirePro Pipe Wrap CE
6	5 Insulation

Max Aperture 730mm Wide x 1200mm High

Service(s)	FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE Ref	Classification
PVC Pipe 40mm Ø, 1.9mm wall thickness. 25 mm thick Kingspan Kooltherm FM ³ insulation (C/S)	3 x 2mm thickness	E 120 U/C
PVC Pipe 40mm Ø, 3mm wall thickness. 15 mm thick Kingspan Kooltherm FM ³ insulation (C/S)	3 x 2mm thickness	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 LVC
PVC Pipe 40mm Ø, 3mm wall thickness. 9 mm thick Armacell Armaflex Class O ² (C/S)	3 x 2mm thickness	E 120 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

¹FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE secured internally within both faces of the FirePro Ablative Coated Batt

27-CP-F0855 Issue: 3.1



Penetration Service

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

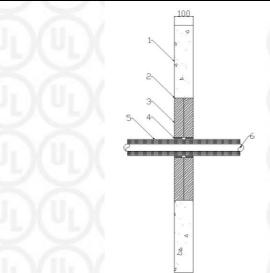
³Or equivalent Phenloic foam pipe insulation classified BL – s1, d0 or better to EN 13501-1

Certificate No. UL-EU-01208-CPR

Page 40/157
Date of Issue 2021-09-28

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. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE
- 5. Insulation
- 6. Penetration Service

<u>.</u>	CULXCULXCULX	
Service(s)	FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE 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

¹FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE secured internally within both faces of the FirePro Ablative Coated Batt



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

Certificate No. UL-EU-01208-CPR

Page 41/157
Date of Issue 2021-09-28

Single Layer Patress, FirePro Ablative Coated Batt 50mm, Electrical Cables and Conduits

Max Aperture 750mm Wide x 1200mm	ı High
	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Insulation 5. Penetration Service
Service(s)	Classification
² Electrical cables upto 80mm Ø	11. Yu. Yu. Yu. Yu
² Cable Trays and Ladders	
² 100 mm diameter bundle telecommunication cable type "F"	EI 120
² Unsheathed electrical cables up to 24mm Ø	U ()(U ()(U ()(U ()(U
² Steel or Copper Conduits up to 16mm Ø	
² Plastic conduits up to 16mm Ø	

¹Patress installation of FirePro Ablative Coated Batt. 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)

(U)

Certificate No. UL-EU-01208-CPR

Page 42/157
Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600m	m High
	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Insulation 5. Penetration Service
Service(s)	Classification
² Electrical cables upto 80mm Ø	(n)(n)(n)(n)(n)
² Cable Trays and Ladders	
² 100 mm diameter bundle telecommunication cable type "F"	EI 60
² Unsheathed electrical cables up to 24mm Ø	E1 00
² Steel or Copper Conduits up to 16mm Ø	(U_)(U_)(U_)(U_)(U_)
² Plastic conduits up to 16mm Ø	

¹Patress installation of FirePro Ablative Coated Batt. 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)

Certificate No. UL-EU-01208-CPR

Page 43/157
Date of Issue 2021-09-28

Single Layer Patress, FirePro Ablative Coated Batt 50mm, Insulated Metallic Pipes

Max Aperture 750mm Wide x 1200mm High	Y UL Y UL Y UL Y U
	 Key Supporting construction FirePro Acoustic
Service(s)	Classification
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 EI 90 C/U
² Steel or Copper Pipe 42mm Ø, 1 – 14.2mm wall thickness. 25-13mm thick K Flex ST insulation ³ (C/S)	EI 120 C/U
² Steel or Copper Pipe 42-108mm Ø, 1.2 – 14.2mm wall thickness. 25 -40mm thick	E 120 C/U EI 90 C/U
Kingspan Kooltherm FM insulation ⁴ (C/S)	E1 90 C/U
Kingspan Kooltherm FM insulation ⁴ (C/S) ² Steel or Copper Pipe 42mm Ø, 1–14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM insulation ⁴ (C/S)	EI 120 C/U

¹Patress installation of FirePro Ablative Coated Batt. 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 FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE installed both sides of the substrate within the patress 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

Certificate No. UL-EU-01208-CPR

Page 44/157
Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm High	1	1/11/11/11
100	Key	X UL X UL Y U
	1.	Supporting construction
1- 1-	2.	FirePro Acoustic
	VIII.	Intumescent Sealant
2-	3.	FirePro Ablative Coated
À		Batt
	4.	FirePro Intumescent
	$)(U_1$	Pipewrap Roll/ FirePro Pipe Wrap CE
5 4	5.	Insulation
	6.	Penetration Service
Samina(a)	XU Va	Classification
	No.	Classification
Service(s) Service(s) 2Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick		Classification
Service(s) 2Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ Insulation (C/S)		Classification
Service(s) 2Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ Insulation (C/S) 2Steel or Copper Pipe 42-159mm Ø, 1.2 – 14.2mm wall thickness. 25mm thick K Flex		Classification
Service(s) 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)		Classification
Service(s) 2Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST ³ Insulation (C/S) 2Steel or Copper Pipe 42-159mm Ø, 1.2 – 14.2mm wall thickness. 25mm thick K Flex		
Service(s) 2 Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST³ Insulation (C/S) 2 Steel or Copper Pipe 42-159mm Ø, 1.2 – 14.2mm wall thickness. 25mm thick K Flex ST³ insulation (C/S) 2 Steel or Copper Pipe 42mm Ø, 1 – 14.2mm wall thickness. 25-13mm thick K Flex ST³		Classification EI 60 C/U
Service(s) 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)		
Service(s) 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		
Service(s) 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		

¹Patress installation of FirePro Ablative Coated Batt. 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.



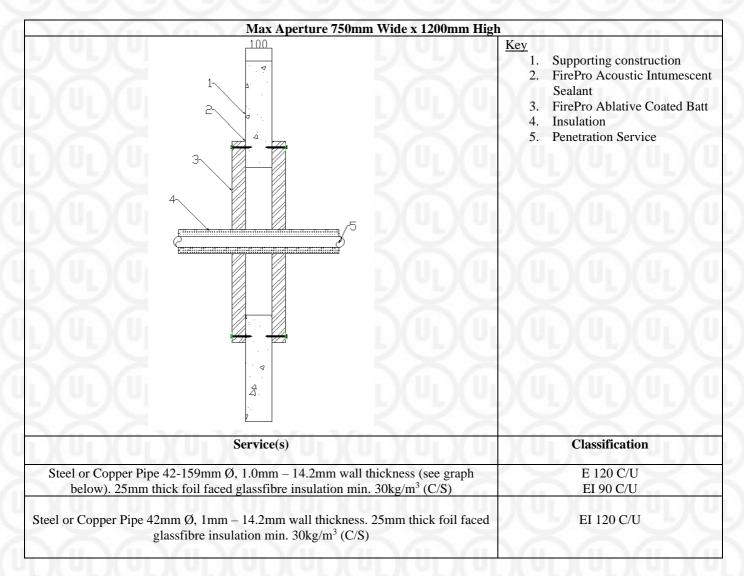
²2 x 2mm thick layers of FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE installed both sides of the substrate within the patress installation

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

Certificate No. UL-EU-01208-CPR

Page 45/157
Date of Issue 2021-09-28



¹Patress installation of FirePro Ablative Coated Batt. 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.

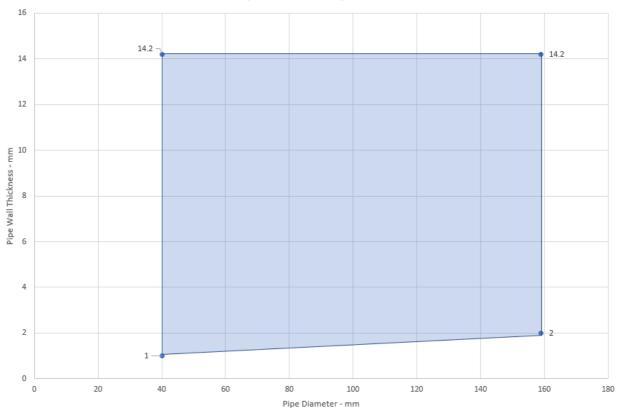


Certificate No. UL-EU-01208-CPR

Page 46/157

Date of Issue 2021-09-28

Permitted Pipe Diameter vs Pipe Wall Thickness





Certificate No. UL-EU-01208-CPR

Page 47/157
Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm Hig	
100	Key 1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 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

¹Patress installation of FirePro Ablative Coated Batt. 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.

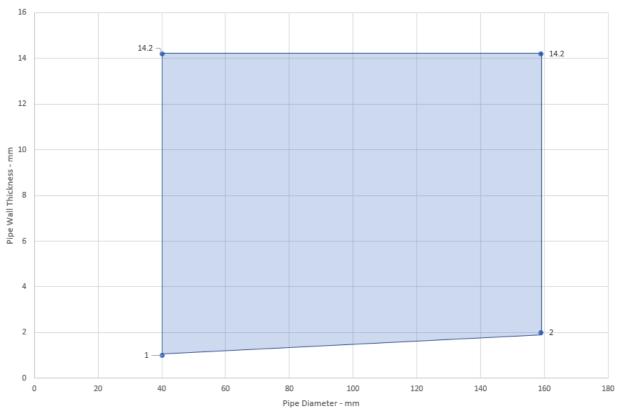


Certificate No. UL-EU-01208-CPR

Page 48/157

Date of Issue 2021-09-28

Permitted Pipe Diameter vs Pipe Wall Thickness





Certificate No. UL-EU-01208-CPR

Page 49/157

Date of Issue 2021-09-28

Single Layer Patress, FirePro Ablative Coated Batt 50mm, Plastic Pipes

	nm Wide x 1200mm High	1.50
(Penetrations positioned as per option 1 or 2 below,		
		1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Firepro Pipe Collar CE 5. Penetration Service
2 . 2		
	Firepro Pipe Collar CE Ref	Classification
		Classification
Service(s)	CE Ref	Classification
Service(s) PVC Pipe 32mm Ø, 1.8mm wall thickness	CE Ref 32mm	Classification
Service(s) PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness	CE 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 PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness	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 PVC Pipe 63mm Ø, 2.3-3mm wall thickness	CE Ref 32mm 40mm 50mm 55mm 63mm	(U)(U)(U) (U)(U)(U)
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	CE Ref 32mm 40mm 50mm 55mm	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 PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	CE Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm	(U)(U)(U) (U)(U)(U)
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	CE Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm 90mm	(U)(U)(U) (U)(U)(U)
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	CE Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm 90mm 100mm	(U)(U)(U) (U)(U)(U)
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 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	CE Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm 90mm 100mm 110mm	(U)(U)(U) (U)(U)(U)
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	CE Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm 90mm 100mm	(U)(U)(U) (U)(U)(U)

¹Patress installation of FirePro Ablative Coated Batt. 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 FirePro Ablative Coated Batt



Certificate No. UL-EU-01208-CPR

Page 50/157
Date of Issue 2021-09-28

(Penetrations positioned as per option 1 or 2 below (nm Wide x 2600mm High	HEWIE WILL W
(Telletrations positioned as per option 1 of 2 below,	Omm distance between services a	
		 Supporting construction FirePro Acoustic Intumescent Sealant FirePro Ablative Coated Batt Firepro Pipe Collar CE Penetration Service
· •	$U_L)(U_L)(U_L)$	
N/m N/m N/m /	Firepro Pipe Collar CE Ref	Classification
	Firepro Pipe Collar CE Ref 32mm	Classification
Service(s)	CE Ref	Classification
Service(s) PVC Pipe 32mm Ø, 1.8mm wall thickness	CE Ref 32mm	Classification
Service(s) PVC Pipe 32mm Ø, 1.8mm wall thickness PVC Pipe 40mm Ø, 1.8mm wall thickness	CE 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	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	32mm 40mm 50mm 55mm	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 PVC Pipe 63mm Ø, 2.3-3mm wall thickness	CE Ref 32mm 40mm 50mm 55mm 63mm	Classification EI 60 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	CE Ref 32mm 40mm 50mm 55mm 63mm 75mm	
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	CE Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm	
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	CE Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm 90mm	
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	CE Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm 90mm 100mm	
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 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	CE Ref 32mm 40mm 50mm 55mm 63mm 75mm 82mm 90mm 100mm 110mm	

¹Patress installation of FirePro Ablative Coated Batt. 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 FirePro Ablative Coated Batt

(U)

Certificate No. UL-EU-01208-CPR

Page 51/157
Date of Issue 2021-09-28

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 FirePro Acoustic **Intumescent Sealant** FirePro Ablative Coated Firepro Pipe Collar CE Penetration Service Service(s) Firepro Pipe Collar Classification **CE 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

¹Patress installation of FirePro Ablative Coated Batt. 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 FirePro Ablative Coated Batt



Certificate No. UL-EU-01208-CPR

Page 52/157
Date of Issue 2021-09-28

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 1. 2. FirePro Acoustic **Intumescent Sealant** 3. FirePro Ablative Coated Firepro Pipe Collar CE Penetration Service Firepro Pipe Collar Classification Service(s) **CE 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

¹Patress installation of FirePro Ablative Coated Batt. 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 FirePro Ablative Coated Batt



Certificate No. UL-EU-01208-CPR

Page 53/157
Date of Issue 2021-09-28

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 FirePro Acoustic **Intumescent Sealant** FirePro Ablative Coated Firepro Pipe Collar CE Penetration Service Firepro Pipe Collar Classification Service(s) **CE 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

¹Patress installation of FirePro Ablative Coated Batt. 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 FirePro Ablative Coated Batt



Certificate No. UL-EU-01208-CPR

Page 54/157
Date of Issue 2021-09-28

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 FirePro Acoustic **Intumescent Sealant** FirePro Ablative Coated Batt Firepro Pipe Collar CE Penetration Service Service(s) Firepro Pipe Collar Classification **CE 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

¹Patress installation of FirePro Ablative Coated Batt. 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 FirePro Ablative Coated Batt

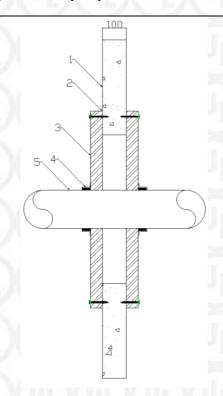


Certificate No. UL-EU-01208-CPR

Page 55/157
Date of Issue 2021-09-28

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. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Scope and Classifications as below

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)	

¹Patress installation of FirePro Ablative Coated Batt. 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.

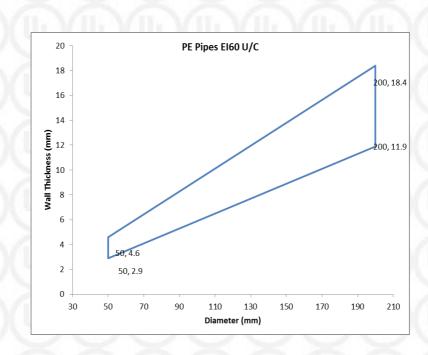
Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the FirePro Ablative Coated Batt

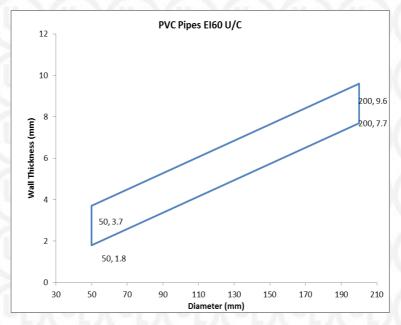


Certificate No. UL-EU-01208-CPR

Page 56/157

Date of Issue 2021-09-28



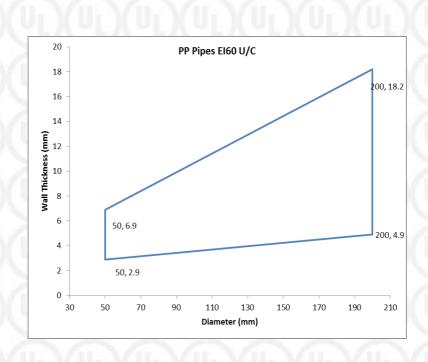




Certificate No. UL-EU-01208-CPR

Page 57/157

Date of Issue 2021-09-28





Certificate No. UL-EU-01208-CPR

Page 58/157

Date of Issue 2021-09-28

Rigid Walls Minimum Thickness 150mm

Double Layer, FirePro Ablative Coated Batt 50mm, Electrical Cables

Max Aperture 750mm Wide x 1	100mm High
Variation Va	<u>Key</u>
150	1. Supporting construction
4 4	2. FirePro Acoustic Intumescent
	Sealant
1	3. FirePro Ablative Coated Batt
. 4	4. Penetration Service
4	n Van Van Van Van V
2 2	1)(비)(비)(비)(비)(비)(비)(비)(비)(비)
2 A	
3~	L VIII VIII VIII V
	エンノニアンベニアンベニアン
4	
	シベラくシくシくシ
	i. Vil. Vii. Vii. Vii. V
	リレストリース・マレストマレストマレスト
	In 36 Un 36 Un 36 Un 36 Un 36
Δ	
Vaca	n MacMacMacMacMacMacMacMacMacMacMacMacMacM
. •	
4.	
a	EVILANIEVIEVIEV
Service(s)	Classification
	E120
Electrical cables up to 0-21mm Ø	EI90
Cable Tray	EI 60



Certificate No. UL-EU-01208-CPR

Page 59/157
Date of Issue 2021-09-28

Single Layer, FirePro Ablative Coated Batt 50mm, Electrical Cables

Max Aperture 750mm Wide x 1100mm High	
150 1	 Supporting construction FirePro Acoustic Intumescent Sealant FirePro Ablative Coated Batt Insulation Penetration Service
3 5 5 5	
Service(s)	Classification
¹ Electrical cables up to 80mm Ø ¹ Cable Trays and Ladders	EI 60 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 6 mm thick foil faced ceramic fibre insulation (L/I 300mm)



Certificate No. UL-EU-01208-CPR

Page 60/157
Date of Issue 2021-09-28

Max Aperture 750mm Wide x 1100mm	n High
	Key 1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 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	$(n^\Gamma)(n^\Gamma)(n^\Gamma)(n^\Gamma)(n^\Gamma)(n^\Gamma)$

^{*}All cables coated with 2mm DFT FIREPRO® Ablative Liquid 300mm along the cables both sides of the seal



Certificate No. UL-EU-01208-CPR

Page 61/157
Date of Issue 2021-09-28

Single Layer, FirePro Ablative Coated Batt 50mm, Insulated Metallic Pipes

Max Aperture 750mm Wide x 1100mm High	
	 Supporting construction FirePro Acoustic Intumescent Sealant FirePro Ablative Coated Batt Insulation 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)	E60 C/U EI45 C/U
Steel or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m³)	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 EI20 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



Certificate No. UL-EU-01208-CPR

Page 62/157
Date of Issue 2021-09-28

Single Layer, FirePro Ablative Coated Batt 50mm, Plastic Pipes

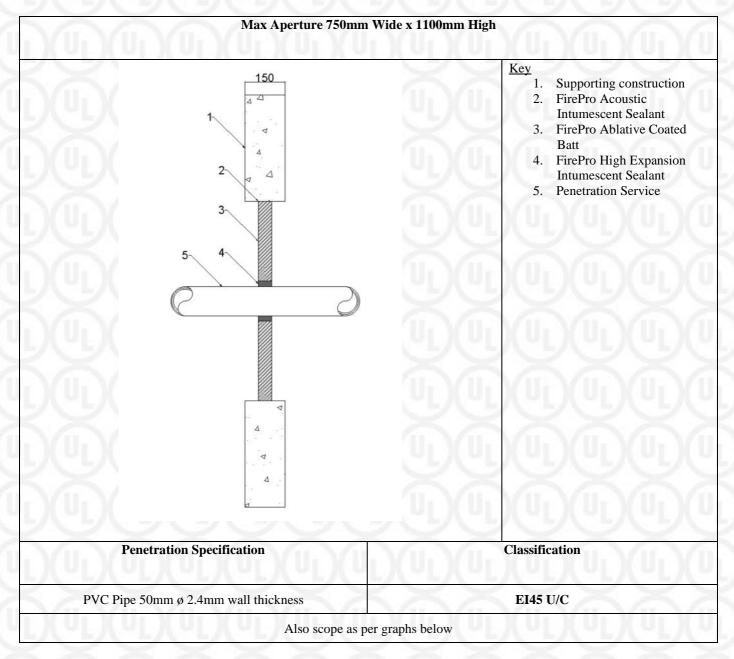
Max Aperture 750mm Wide x 1100mm Hig	y h
	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. FirePro High Expansion Intumescent Sealant 5. Penetration Service
Penetration Specification	Classification
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness	r Mille Wille Wille A
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness) (!!)(!!)(!!)
\	E 45 U/C
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness	E 45 U/C EI 30 U/C
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness	

FirePro High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the FirePro Ablative Coated Batt

(II)

Certificate No. UL-EU-01208-CPR

Page 63/157
Date of Issue 2021-09-28

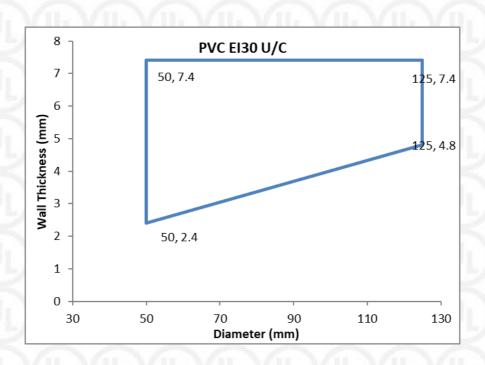


FirePro High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the FirePro Ablative Coated Batt

(II)

Certificate No. UL-EU-01208-CPR

Page 64/157
Date of Issue 2021-09-28





Certificate No. UL-EU-01208-CPR

Page 65/157

Date of Issue 2021-09-28

Double Layer, FirePro Ablative Coated Batt 50mm, Electrical Cables

Max Aperture 730mm Wide x 1200mm High	
	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Insulation 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)



Certificate No. UL-EU-01208-CPR

Page 66/157

Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm High	
	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Insulation 5. Penetration Service
Service(s)	Classification
¹ Electrical cables up to 21mm dia	VII. VII. VII. VII. VII
¹ Electrical cables 22mm – 80mm dia	ルロ : 人 いし ハ いし ハ いし ハ い
¹ Cable Trays and Ladders	EI 60
¹ 100 mm diameter bundle telecommunication cable type "F"	
¹ Unsheathed electrical cables up to 24mm dia	VIII. VIII. VIII. VIII. VI

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



Certificate No. UL-EU-01208-CPR

Page 67/157

Date of Issue 2021-09-28

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

^{*}All cables coated with 2mm DFT FIREPRO® Ablative Liquid 300mm along the cables both sides of the seal FirePro High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the FirePro Ablative Coated Batt



Certificate No. UL-EU-01208-CPR

Page 68/157
Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm	m High
	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. FirePro High Expansion Intumescent Sealant 5. FIREPRO® Ablative Liquid 6. Penetration Service
Penetration Specification	Classification
*500mm perforated cable tray	
*Electrical cables up to 21mm ø	EI 60
*1 off 'C1' Cable	EI OU
*1 off 'C2' Cable	
*1 off 'C3' Cable	

^{*}All cables coated with 2mm DFT FIREPRO® Ablative Liquid 300mm along the cables both sides of the seal FirePro High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the FirePro Ablative Coated Batt

Certificate No. UL-EU-01208-CPR

Page 69/157

Date of Issue 2021-09-28

Double Layer, FirePro Ablative Coated Batt 50mm, Insulated Metallic Pipes

Max Aperture 730mm Wide x 1200mm High Service(s) Key 1. Supporting construction FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Insulation 5. Penetration Service 4 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



Certificate No. UL-EU-01208-CPR

Page 70/157

Date of Issue 2021-09-28

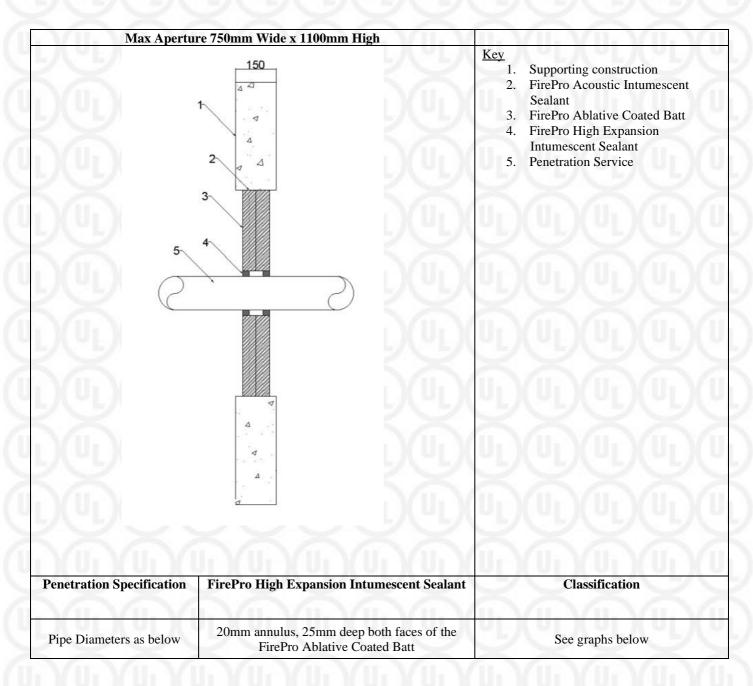
Penetration Specification 1. Supporting construction 2. FirePro Acoustic Intume Sealant 3. FirePro Ablative Coated 4. Insulation 5. Penetration Service Penetration Specification Classification Steel or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness. (L/I 300mm) 40mm	Service(s)	Key
Steel or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness. (L/I 300mm) 40mm		 FirePro Acoustic Intumescen Sealant FirePro Ablative Coated Batt Insulation
	Penetration Specification	Classification
bione woor inbutation (initi torigini)	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 Ø, 2mm – 14.2mm wall thickness. (L/I E 60 C/U 300mm) 40mm stone wool insulation (min 40Kg/m³) EI 30 C/U	Steel or Copper Pipe 42mm – 159mm Ø, 2mm – 14.2mm wall thickness. (L/I	



Certificate No. UL-EU-01208-CPR

Page 71/157

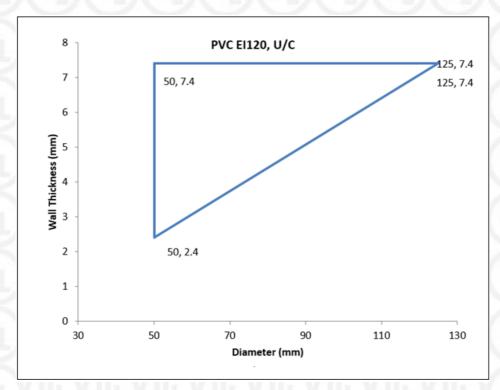
Date of Issue 2021-09-28

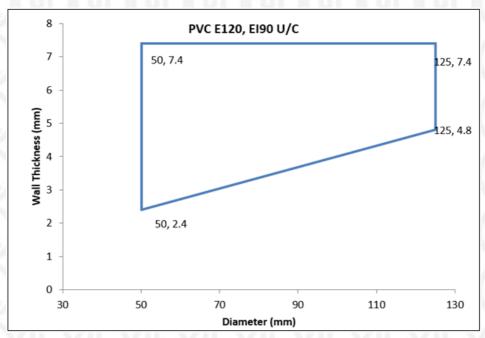




Certificate No. UL-EU-01208-CPR

Page 72/157
Date of Issue 2021-09-28



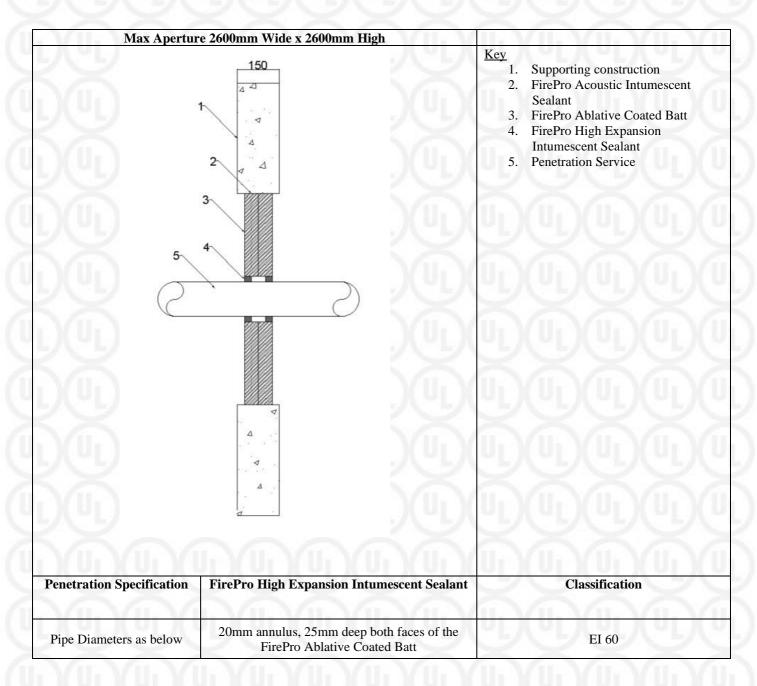




Certificate No. UL-EU-01208-CPR

Page 73/157

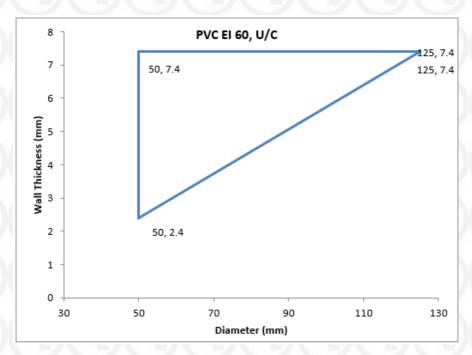
Date of Issue 2021-09-28

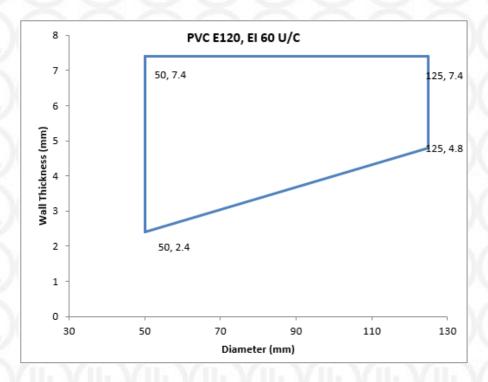




Certificate No. UL-EU-01208-CPR

Page 74/157
Date of Issue 2021-09-28







Certificate No. UL-EU-01208-CPR

Page 75/157
Date of Issue 2021-09-28

Max Aperture 750mm Wide x 1100mm High	
	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coate Batt 4. FirePro High Expansio 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 120 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	(nr)(nr)(nr)
Uponor MLC (Multi-Layer Composite) Pipe 110mm ø 10mm wall thickness	

FirePro High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the FirePro Ablative Coated Batt

(II)

Certificate No. UL-EU-01208-CPR

Page 76/157
Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm	n High
	1. Supporting constructio 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coate Batt 4. FirePro High Expansio 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	S
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	S
Uponor MLC (Multi-Layer Composite) Pipe 90mm ø 8.5mm wall thickness	s
Uponor MLC (Multi-Layer Composite) Pipe 110mm ø 10mm wall thicknes	SS

FirePro High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the FirePro Ablative Coated Batt

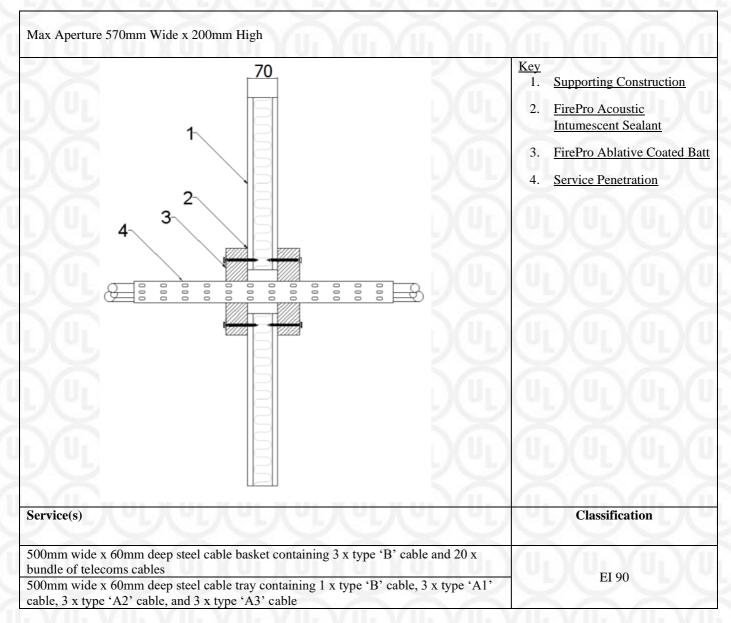
(II)

Certificate No. UL-EU-01208-CPR

Page 77/157
Date of Issue 2021-09-28

Flexible Walls Minimum Thickness 70mm

Single Layer Pattress FirePro Ablative Coated Batt 50mm, Electrical Cables



¹Patress installation of FirePro Ablative Coated Batt. 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



Certificate No. UL-EU-01208-CPR

Page 78/157
Date of Issue 2021-09-28

Single Layer Pattress FirePro Ablative Coated Batt 50mm, Electrical Cables and Conduits

3. FirePro A Coated E	etion Acoustic cent Sealant Ablative
3. FirePro A Coated E	cent Sealant Ablative Batt
2 Coated E	<u>Batt</u>
4. Service I	Penetration Penetration
Service(s) Classifi	ication
0mm dia Adaptaflex SPL20 flexible conduit	YLN.
20mm dia Kopex KSU 316 stainless steel flexible conduit EI 9	90
50mm wide x 60mm deep steel cable tray containing 4 x FP200 Gold (Firealarm cable 7mm E 90 I	EX 60

¹Patress installation of FirePro Ablative Coated Batt. 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

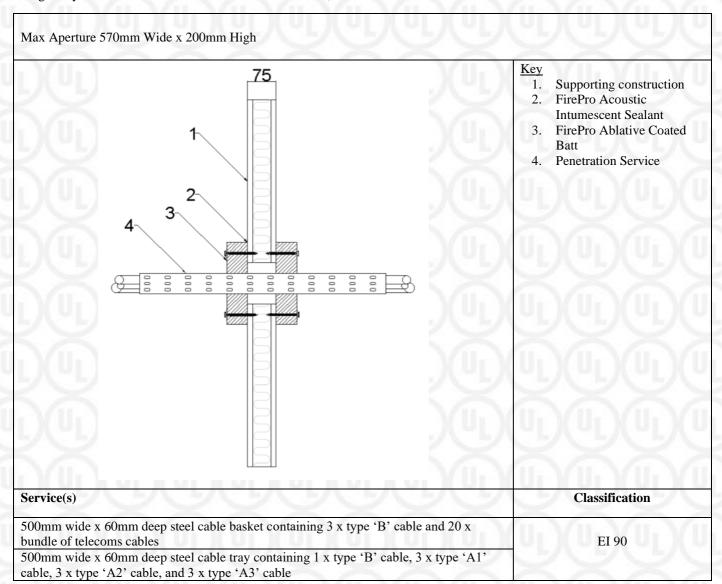


Certificate No. UL-EU-01208-CPR

Page 79/157
Date of Issue 2021-09-28

Flexible Walls Minimum Thickness 75mm

Single Layer Patress FirePro Ablative Coated Batt 50mm, Electrical Cables



¹Patress installation of FirePro Ablative Coated Batt. 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



Certificate No. UL-EU-01208-CPR

Page 80/157

Date of Issue 2021-09-28

Single Layer Patress FirePro Ablative Coated Batt 50mm, Electrical Cables and Conduits

XULXII-XII-XII-XII-XII-XII-XII-XII-XII-XII	<u>Key</u>
75	1. Supporting construction
Yu. Yi	2. FirePro Acoustic
1 S S S S S S S S S	Intumescent Seala
'\	3. FirePro Ablative Coated Batt
	4. Penetration Service
2 15	ハーリーリーリーリ
3,	
4)(U ₁)(U ₁)(U ₁)(U ₁)(U ₁)
)(UE)(UE)(UE)(UE)
V(II. V(I	VII. VII. VII. VII. V
人。	八ツレ八ツレ八ツレ八ツレノ
	$\times \times \times \times \times$
MIP M	VII. VII. VII. VII. VII. X
V.N.	ハビリビリビリビリ
	\times
)(U ₁)(U ₁)(U ₁)(U ₁)(U ₁)
Service(s)	Classification
0mm dia Adaptaflex SPL20 flexible conduit	VALVA - VALVAL
0mm dia Kopex KSU 316 stainless steel flexible conduit	EI 90
50mm wide x 60mm deep steel cable tray	E 90
4 x FP200 Gold (Firealarm cable 7mm dia red) Cables	EI 60

¹Patress installation of FirePro Ablative Coated Batt. 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



Certificate No. UL-EU-01208-CPR

Page 81/157

Date of Issue 2021-09-28

Flexible Walls Minimum Thickness 75mm

Single Layer Pattress FirePro Ablative Coated Batt 50mm, Electrical Cables and Cable Trunking

Max Aperture 70mm Wide x 70mm High	
75	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Insulation 5. Penetration Service
Service(s)	Classification
50mm x 50mm Insulated steel cable trunking, Stone Wool 40mm thick, 45kg/m³ (LI 400mm). Firepro Intumescent Pillow CE 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	EI 60

¹Patress installation of FirePro Ablative Coated Batt. 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



Certificate No. UL-EU-01208-CPR

Page 82/157
Date of Issue 2021-09-28

Single Layer Pattress FirePro Ablative Coated Batt 50mm, Electrical Cables and Cable Trunking

Max Aperture 170mm Wide x 170mm High	1	
3	Key 1. 2. 3. 4. 5.	Intumescent Sealant FirePro Ablative Coated Batt
Service(s)	(I)	Classification
150mm x 150mm Insulated steel cable trunking, Stone Wool 40mm thick, 45kg/m³ (LI 400mm). Firepro Intumescent Pillow CE tightly fitted around the cables in the section of trunking within the depth of the partition.	TY	EI 60 U/U
Cables 1xB1, 1xC1, 1xG1, 1xG2 Cables 1xB1 Cables 1xC1 Unsheathed electrical cables 0-24mm dia	K	EI 60

¹Patress installation of FirePro Ablative Coated Batt. 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



Certificate No. UL-EU-01208-CPR

Page 83/157
Date of Issue 2021-09-28

Single Layer FirePro Ablative Coated Batt 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 FirePro Ablative Coated Batt

1 2 3 5 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70.00
	3	3

Key

- 1. Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE Ref	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness	32mm	/_r//_r
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	



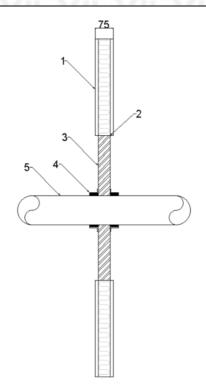
Certificate No. UL-EU-01208-CPR

Page 84/157
Date of Issue 2021-09-28

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 FirePro Ablative Coated Batt



Key

- 1. Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE 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	EI 60 U/C
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	

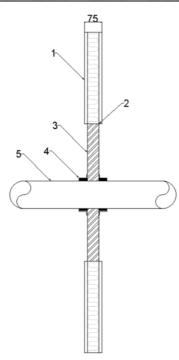


Certificate No. UL-EU-01208-CPR

Page 85/157
Date of Issue 2021-09-28

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 FirePro Ablative Coated Batt



Key

- Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE Ref	Classification
PP Pipe 32mm Ø, 2.9mm wall thickness	32mm	$\times \times$
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	11. VII. VI
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	



Certificate No. UL-EU-01208-CPR

Page 86/157

Date of Issue 2021-09-28

Flexible Walls Minimum Thickness 100mm

Double Layer FirePro Ablative Coated Batt 50mm, Electrical Cables and Conduits

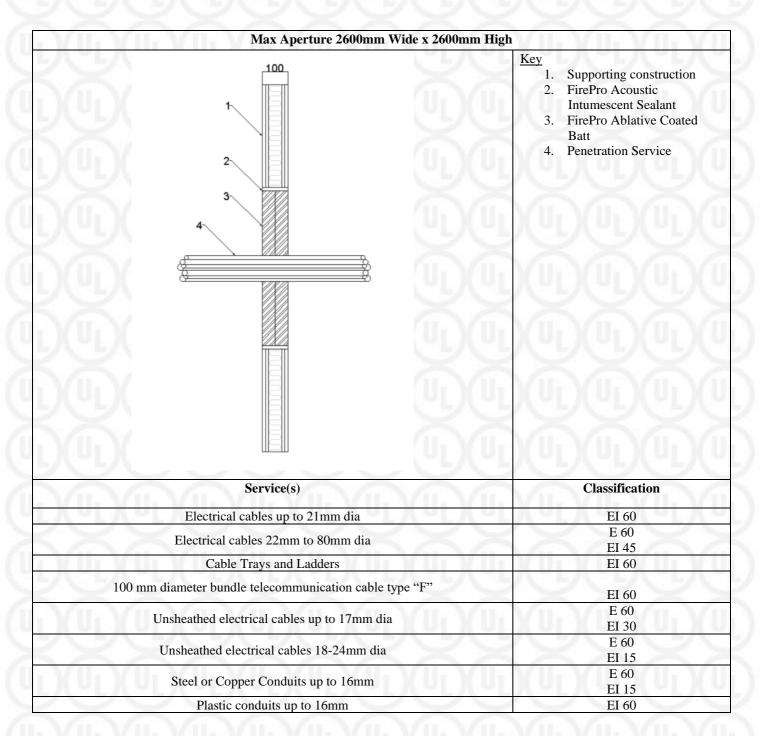
Max Aperture 2600mm Wide x 2600mm	High
100 2 3 4 \(\overline{\text{\tinx{\text{\tinx{\text{\ti}\text{\texit{\texict{\text{\text{\texict{\text{\\ \texi\text{\texicr{\text{\texict{\text{\texit{\text{\text{\texict{\texictex{\texit{\text{\tet	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Penetration Service
Service(s)	Classification
Electrical cables 0mm to 21mm dia	EI 60
C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	E 60
Electrical cables 22mm to 50mm dia	El 45
Electrical cables 22mm to 50mm dia Electrical cables 51mm to 80mm dia	EI 45 E 60 EI 30
	EI 45 E 60
Electrical cables 51mm to 80mm dia Cable Trays and Ladders 100 mm diameter bundle telecommunication cable type "F"	EI 45 E 60 EI 30 E 60 EI 45
Electrical cables 51mm to 80mm dia Cable Trays and Ladders	EI 45 E 60 EI 30 E 60



Certificate No. UL-EU-01208-CPR

Page 87/157

Date of Issue 2021-09-28





Certificate No. UL-EU-01208-CPR

Page 88/157

Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm High		
	Key 1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 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"	EI 60	
Unsheathed electrical cables up to 17mm dia	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	



Certificate No. UL-EU-01208-CPR

Page 89/157

Date of Issue 2021-09-28

Double Layer FirePro Ablative Coated Batt 50mm, Insulated Metallic Pipes

Max Aperture 730mm Wide x 1200mm High	ヘントリーリ
Sprvice(s)	Supporting construction
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
Single copper or mild steel pipe 40-159mm diameter and $2.3-14.2$ mm wall with sustained/continuous 30mm thick foil faced glass wool insulation (min 80Kg/m^3)	EI 60 U/C

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



Certificate No. UL-EU-01208-CPR

Page 90/157

Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm High	
	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. FirePro High Expansion Intumescent Sealant 5. Insulation 6. Penetration Service
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/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 FirePro High Expansion Intumescent Sealant to both faces of the pipe



Certificate No. UL-EU-01208-CPR

Page 91/157

Date of Issue 2021-09-28

Max Aperture 730mm Wide x 1200mm High	n de la companya de
	Supporting construction
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

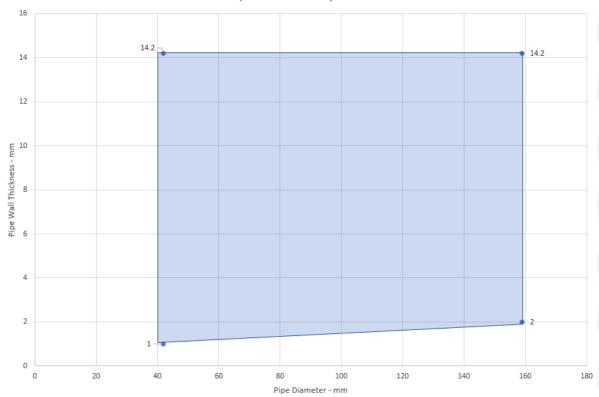


Certificate No. UL-EU-01208-CPR

Page 92/157

Date of Issue 2021-09-28

Permitted Pipe Diameter vs Pipe Wall Thickness





Certificate No. UL-EU-01208-CPR

Page 93/157 f Issue 2021-09-28

Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm Hi	gh
	1. Supporting construction 2. FirePro Acoustic Intumescer Sealant 3. FirePro Ablative Coated Bat 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/m³ (C/S)	E 60 C/U EI 60 C/U

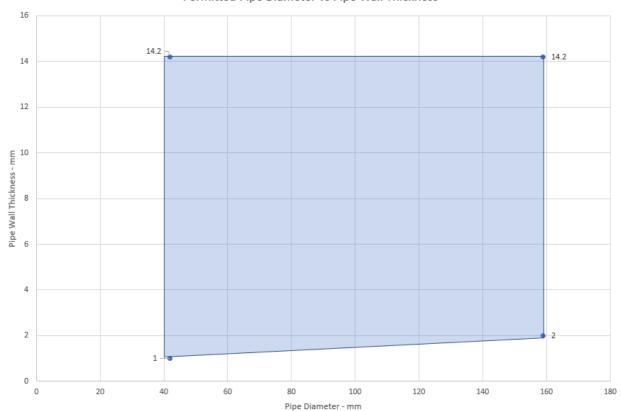


Certificate No. UL-EU-01208-CPR

Page 94/157

Date of Issue 2021-09-28







Certificate No. UL-EU-01208-CPR

Page 95/157

Date of Issue 2021-09-28

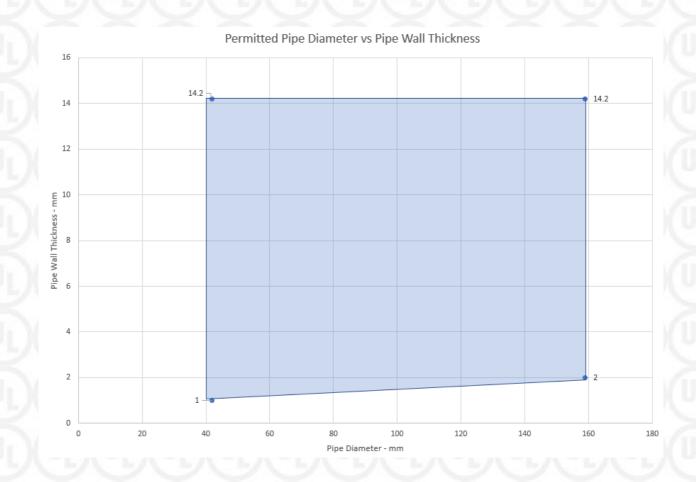
Max Aperture 730mm Wide x 1200mm I	
(Penetrations positioned as per option 1 or 2 below, 0mm distance between	
100	 Supporting construction FirePro Acoustic Intumescent Sealant FirePro Ablative Coated Batt FIREPRO® Ablative Liquid Penetration Service
Service(s)	Classification
Steel or Copper Pipe 42-159mm 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/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 FIREPRO®	E 120 C/U
Ablative Liquid 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 FIREPRO®	E 120 C/U
Ablative Liquid along the penetration 2mm DFT (L/I 300mm)	EI 20 C/U
Steel 42-324mm Ø, 16mm wall thickness. 14.2mm wall thickness FIREPRO®	E 120 C/U
Ablative Liquid along the penetration 2mm DFT (L/I 300mm)	EI 45 C/U



Certificate No. UL-EU-01208-CPR

Page 96/157

Date of Issue 2021-09-28





Certificate No. UL-EU-01208-CPR

Page 97/157

Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm Hig (Penetrations positioned as per option 1 or 2 below, 0mm distance between ser	
(1 chediations positioned as per option 1 of 2 octow, offini distance between so	Key
100	1. Supporting construction
	2. FirePro Acoustic Intumescen
YU YU S YU YU	Sealant
A	3. FirePro Ablative Coated Bat
	4. Insulation
	5. Penetration Service
AULAU a E AULAU	X(U) X(U) X(U) X(
3	Mary Mary Mary Mary Mary Mary Mary Mary
4	ハンレハンレハンレハ
5	
	Var Var Var V
	()(U ₁)(U ₁)(U ₁)(
	VII. VII. VII. V
	しん ひしん ひしん ひしん
	1
Y U	an umar umar umar
	$\times \times \times \times$
Mir. Mir. Mir. Mir. Mir. Mir. Mir. Mir.	Mil. Mil. Mil. M
사인.사약 등 기(인.사약	JULIU OL JUUL JU
Service(s)	Classification
/_ b/_ b/_ b/_ b/_ b/_ b/_ b/_ b	0.1100.1101.01
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	LA YEAR YEAR YEAR
insulation min. 40kg/m³ (L/I 400mm)	EI 45 C/U
Steel 42-324mm Ø, 16mm wall thickness. 40mm thick foil faced stonewool	EI 60 C/U
insulation min. 40kg/m³ (C/I)	Wille Wills Wills W
Steel or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness FIREPRO®	E 60 C/U
Ablative Liquid 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 FIREPRO®	E 60 C/U
Ablative Liquid along the penetration 2mm DFT (L/I 300mm)	EI 20 C/U
Steel 42-324mm Ø, 16mm wall thickness. 14.2mm wall thickness FIREPRO®	E 60 C/U
Ablative Liquid along the penetration 2mm DFT (L/I 300mm)	EI 45 C/U

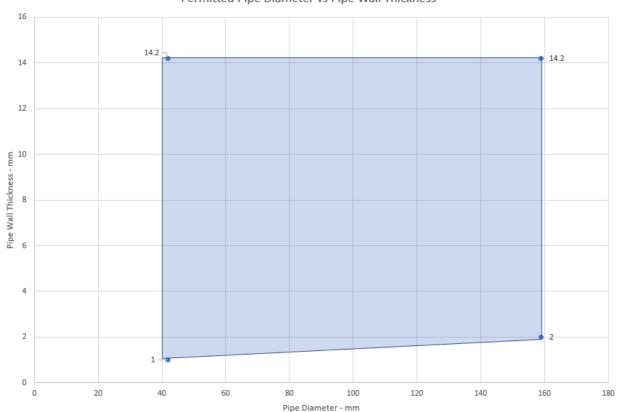


Certificate No. UL-EU-01208-CPR

Page 98/157

Date of Issue 2021-09-28

Permitted Pipe Diameter vs Pipe Wall Thickness





Certificate No. UL-EU-01208-CPR

Page 99/157
Date of Issue 2021-09-28

Max Aperture 730mm Wide x 1200mm Hig	h
1 100	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Insulation 5. FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE 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)	E 120 C/U EI 60 C/U
¹Steel or Copper Pipe 42mm Ø, 1 − 14.2mm wall thickness. 25-13mm thick K Flex ST² 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
¹Steel or Copper Pipe 42mm Ø, 1–14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM³ 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

 $^{^{1}}$ 2 x 2mm thick layers of FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE installed both sides of the FirePro Ablative Coated Batt



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

Certificate No. UL-EU-01208-CPR

Page 100/157
Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm Hig	gh
	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Insulation 5. FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE 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

 $^{^{1}}$ 2 x 2mm thick layers of FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE installed both sides of the FirePro Ablative Coated Batt

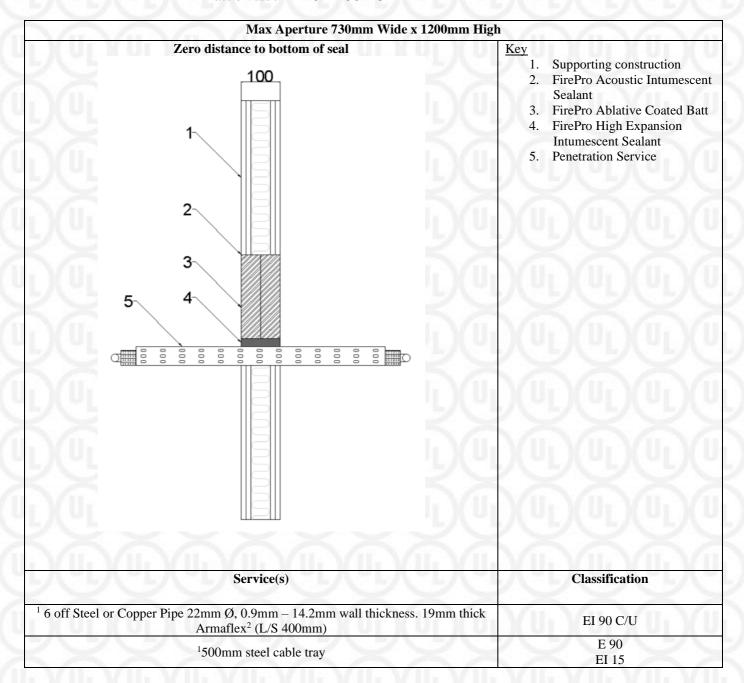


²Or equivalent elastomeric pipe insulation classified BL − s2, d0 or better to EN 13501-1

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

Certificate No. UL-EU-01208-CPR

Page 101/157
Date of Issue 2021-09-28

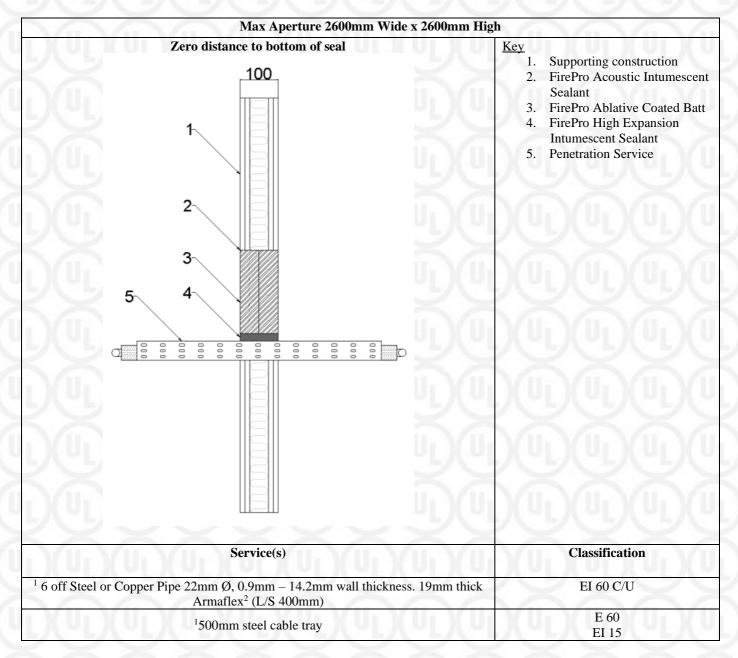


¹FirePro High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the FirePro Ablative Coated Batt ²Or equivalent elastomeric pipe insulation classified BL − s2, d0 or better to EN 13501-1



Certificate No. UL-EU-01208-CPR

Page 102/157
Date of Issue 2021-09-28



 1 FirePro High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the FirePro Ablative Coated Batt 2 Or equivalent elastomeric pipe insulation classified BL - s2, d0 or better to EN 13501-1



Certificate No. UL-EU-01208-CPR

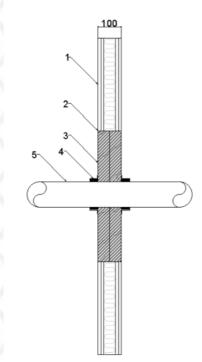
Page 103/157
Date of Issue 2021-09-28

Double Layer FirePro Ablative Coated Batt 50mm, 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 FirePro Ablative Coated Batt



Key

- 1. Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE 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	



Certificate No. UL-EU-01208-CPR

Page 104/157
Date of Issue 2021-09-28

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 FirePro Ablative Coated Batt

100

Key

- 1. Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE 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	
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	EI 60 U/C
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	

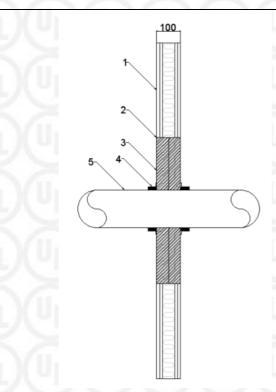


Certificate No. UL-EU-01208-CPR

Page 105/157
Date of Issue 2021-09-28

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 FirePro Ablative Coated Batt



Key

- 1. Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE 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 120 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	

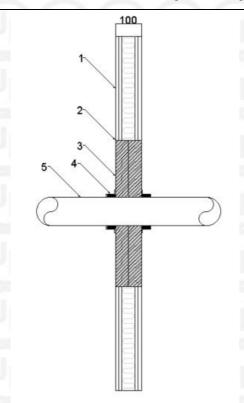


Certificate No. UL-EU-01208-CPR

Page 106/157
Date of Issue 2021-09-28

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 FirePro Ablative Coated Batt



Key

- 1. Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE 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	

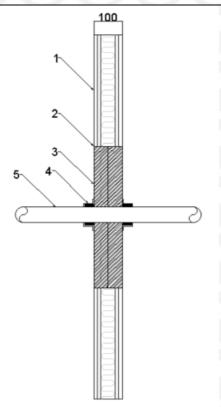


Certificate No. UL-EU-01208-CPR

Page 107/157
Date of Issue 2021-09-28

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 FirePro Ablative Coated Batt



Key

- 1. Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE 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	

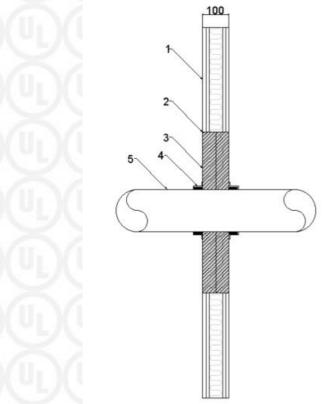


Certificate No. UL-EU-01208-CPR

Page 108/157
Date of Issue 2021-09-28

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 FirePro Ablative Coated Batt



Key

- 1. Supporting construction
- 2. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE 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	



Certificate No. UL-EU-01208-CPR

Page 109/157
Date of Issue 2021-09-28

Double Layer FirePro Ablative Coated Batt 50mm, Insulated Plastic Pipes

Max Aperture 73 (Penetrations positioned as per option 1 or 2 below	30mm Wide x 1200mm High , 100mm distance between so	
2		1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE 5. Insulation 6. Penetration Service
Service(s)	FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE Ref	Classification
PVC Pipe 40mm Ø, 1.9mm wall thickness. 25 mm thick Kingspan Kooltherm FM³ insulation (C/S) PVC Pipe 40mm Ø, 3mm wall thickness. 15 mm thick	3 x 2mm thickness 3 x 2mm thickness	E 120 U/C EI 90 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)	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) PVC Pipe 40mm Ø, 3mm wall thickness. 9 mm thick	3 x 2mm thickness	EI 120 U/C
Armacell Armaflex Class O ² (C/S) 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	5 x 2mm thickness	EI 120 U/C

¹FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE secured internally within both faces of the FirePro Ablative Coated Ratt



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

Certificate No. UL-EU-01208-CPR

Page 110/157
Date of Issue 2021-09-28

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)

		Wills Wills Wills Will
		1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE 5. Insulation 6. Penetration Service
Service(s)	FirePro Intumescent	Classification
$<$ \times \times \times \times	Pipewrap Roll/ FirePro Pipe Wrap CE Ref	
PVC Pipe 40mm Ø, 1.9mm wall thickness. 25 mm thick Kingspan Kooltherm FM³ insulation (C/S)	Pipe Wrap CE Ref 3 x 2mm thickness	$(U_L)(U_L)(U_L)(U_L)$
Kingspan Kooltherm FM ³ insulation (C/S) PVC Pipe 40mm Ø, 3mm wall thickness. 15 mm thick	Pipe Wrap CE Ref	EI 60 U/C
Kingspan Kooltherm FM ³ insulation (C/S) PVC Pipe 40mm Ø, 3mm wall thickness. 15 mm thick Kingspan Kooltherm FM ³ insulation (C/S)	Pipe Wrap CE Ref 3 x 2mm thickness 3 x 2mm thickness	EI 60 U/C
Kingspan Kooltherm FM ³ insulation (C/S) PVC Pipe 40mm Ø, 3mm wall thickness. 15 mm thick	Pipe Wrap CE Ref 3 x 2mm thickness	EI 60 U/C EI 60 U/C
Kingspan Kooltherm FM³ insulation (C/S) PVC Pipe 40mm Ø, 3mm wall thickness. 15 mm thick Kingspan Kooltherm FM³ insulation (C/S) PVC Pipe 110mm Ø, 4.2mm wall thickness. 25 mm	Pipe Wrap CE Ref 3 x 2mm thickness 3 x 2mm thickness	VII.VII.VII.VII

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)

(II)

EI 60 U/C

EI 60 U/C

EI 60 U/C

¹FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE secured internally within both faces of the FirePro Ablative Coated

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

Certificate No. UL-EU-01208-CPR

Page 111/157
Date of Issue 2021-09-28

Single Layer Patress, FirePro Ablative Coated Batt 50mm, Electrical Cables and Conduits

Max Aperture 730mm Wide x 1200mm High		
100	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Insulation 5. Penetration Service	
Service(s) Classific		
² Electrical cables up to 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 120		
² Steel or Copper Conduits up to 16mm Ø		
² Plastic conduits up to 16mm Ø		

¹Patress installation of FirePro Ablative Coated Batt. 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)



Certificate No. UL-EU-01208-CPR

Page 112/157
Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm	High
3	Key 1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. Insulation 5. Penetration Service
Service(s)	Classification
² Electrical cables upto 80mm Ø	
² Cable Trays and Ladders	Ja Yua Yua Yua Yu
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	
² Plastic conduits up to 16mm Ø	

¹Patress installation of FirePro Ablative Coated Batt. 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)

Certificate No. UL-EU-01208-CPR

Page 113/157
Date of Issue 2021-09-28

Single Layer Patress, FirePro Ablative Coated Batt 50mm, Insulated Metallic Pipes

Max Aperture 730mm Wide x 1200mm High		
100	Key	
	1.	Supporting construction
1	2.	FirePro Acoustic
2		Intumescent Sealant
	3.	FirePro Ablative Coated Batt
3	4.	FirePro Intumescent Pipewrap Roll/ FirePro Pip
		Wrap CE
5 4	5.	Insulation
	6.	Penetration Service
*	٠.	
Service(s)		Classification
² Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick	M U I	E 120 C/U
K Flex ST ³ Insulation (C/S)		EI 60 C/U
² Steel or Copper Pipe 42mm Ø, 1.2 – 14.2mm wall thickness. 13-25mm thick K Flex		E 120 C/U
ST ³ insulation (C/S)	VIII.	EI 90 C/U
		$\mathcal{N}^{PL}\mathcal{N}^{PL}\mathcal{N}^{PL}$
² Steel or Copper Pine 42-108mm Ø 1.2 – 14.2mm wall thickness 25.40mm thick		
² Steel or Copper Pipe 42-108mm Ø, 1.2 – 14.2mm wall thickness. 25 -40mm thick		E 120 C/U
Kingspan Kooltherm FM ⁴ insulation (C/S)	\geq	E 120 C/U EI 60 C/U
Kingspan Kooltherm FM ⁴ insulation (C/S) ² Steel or Copper Pipe 42mm Ø, 1.2–14.2mm wall thickness. 25 -40mm thick Kingspan	\sim	
Kingspan Kooltherm FM ⁴ insulation (C/S) ² Steel or Copper Pipe 42mm Ø, 1.2–14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM ⁴ insulation (C/S)	(T)	EI 60 C/U E 120 C/U EI 90 C/U
Kingspan Kooltherm FM ⁴ insulation (C/S) ² Steel or Copper Pipe 42mm Ø, 1.2–14.2mm wall thickness. 25 -40mm thick Kingspan		EI 60 C/U E 120 C/U

¹Patress installation of FirePro Ablative Coated Batt. 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 FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE installed both sides of the substrate within the patress 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

Certificate No. UL-EU-01208-CPR

Page 114/157
Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm High	
	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE 5. Insulation 6. Penetration Service
Service(s)	Classification
² Steel or Copper Pipe 42-159mm Ø, 1.2mm − 14.2mm wall thickness. 13-25mm thick K Flex ST³ Insulation (C/S) ² Steel or Copper Pipe 42-159mm Ø, 1.2 − 14.2mm wall thickness. 25mm thick K Flex ST³ insulation (C/S) ² Steel or Copper Pipe 42mm Ø, 1 − 14.2mm wall thickness. 25-13mm thick K Flex ST³ insulation (C/S) ² Steel or Copper Pipe 42-108mm Ø, 1.2 − 14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM⁴ insulation (C/S) ² Steel or Copper Pipe 42mm Ø, 1−14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM⁴ insulation (C/S)	EI 60 C/U

¹Patress installation of FirePro Ablative Coated Batt. 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 FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE installed both sides of the substrate within the patress 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

Certificate No. UL-EU-01208-CPR

Page 115/157
Date of Issue 2021-09-28

Max Aperture 730mm Wide x 1200mm High	
	1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 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

¹Patress installation of FirePro Ablative Coated Batt. 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.



Certificate No. UL-EU-01208-CPR

Page 116/157
Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm High	
3	 Supporting construction FirePro Acoustic Intumescent Sealant FirePro Ablative Coated Batt Insulation 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/m³ (C/S)	E 60 C/U EI 60 C/U

¹Patress installation of FirePro Ablative Coated Batt. 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.



Certificate No. UL-EU-01208-CPR

Page 117/157
Date of Issue 2021-09-28

Max Aperture 730mm Wide x 1200n	
30mm overlap patress installed flush to soffit	Key 1. Supporting construction 2. FirePro Acoustic Intumescen Sealant 3. FirePro Ablative Coated Batt 4. FirePro Intumescent Pipewra Roll/ FirePro Pipe Wrap CE 5. Insulation 6. Penetration Service
Service(s)	Classification
teel or Copper Pipe 42mm Ø, 1.0mm – 14.2mm wall thickness. 50mm th Kingspan ³ (C/S 400mm)	iick EI 60 C/U

¹Patress installation of FirePro Ablative Coated Batt. 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 FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE installed both sides of the substrate within the patress installation

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



Certificate No. UL-EU-01208-CPR

Page 118/157
Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm High		
30mm overlap patress installed flush to soffit	Key 1. Supporting construction 2. FirePro Acoustic Intumescen Sealant 3. FirePro Ablative Coated Batt 4. FirePro Intumescent Pipewra Roll/ FirePro Pipe Wrap CE 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	

¹Patress installation of FirePro Ablative Coated Batt. 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 FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE installed both sides of the substrate within the patress installation



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

Certificate No. UL-EU-01208-CPR

Page 119/157
Date of Issue 2021-09-28

Single Layer Patress, FirePro Ablative Coated Batt 50mm, Plastic Pipes

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 FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt Firepro Pipe Collar CE Penetration Service Firepro Pipe Collar Classification Service(s) CE 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 EI 60 U/C 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

Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the FirePro Ablative Coated Batt ¹Patress installation of FirePro Ablative Coated Batt. 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.



Certificate No. UL-EU-01208-CPR

Page 120/157

Date of Issue 2021-09-28

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 100 Supporting construction FirePro Acoustic Intumescent Sealant FirePro Ablative Coated Batt Firepro Pipe Collar CE Penetration Service Firepro Pipe Collar Classification Service(s) **CE 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 EI 120 U/C 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

Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the FirePro Ablative Coated Batt

¹Patress installation of FirePro Ablative Coated Batt. 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.



Certificate No. UL-EU-01208-CPR

Page 121/157
Date of Issue 2021-09-28

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 FirePro Acoustic **Intumescent Sealant** FirePro Ablative Coated Firepro Pipe Collar CE Penetration Service Firepro Pipe Collar Classification Service(s) **CE 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 FirePro Ablative Coated Batt

¹Patress installation of FirePro Ablative Coated Batt. 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.



Certificate No. UL-EU-01208-CPR

Page 122/157
Date of Issue 2021-09-28

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 FirePro Acoustic **Intumescent Sealant** FirePro Ablative Coated Firepro Pipe Collar CE Penetration Service Firepro Pipe Collar Classification Service(s) **CE 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 140mm PP Pipe 140mm Ø, 3.5-8mm wall thickness 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 FirePro Ablative Coated Batt ¹Patress installation of FirePro Ablative Coated Batt. 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.



Certificate No. UL-EU-01208-CPR

Page 123/157
Date of Issue 2021-09-28

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 FirePro Acoustic **Intumescent Sealant** FirePro Ablative Coated Firepro Pipe Collar CE Penetration Service Firepro Pipe Collar Classification Service(s) **CE 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 125mm PE Pipe 125mm Ø, 3.1mm wall thickness 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 FirePro Ablative Coated Batt

¹Patress installation of FirePro Ablative Coated Batt. 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.

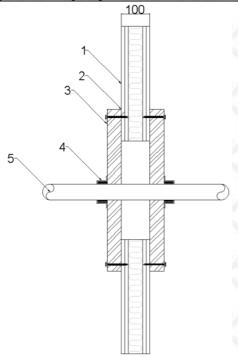


Certificate No. UL-EU-01208-CPR

Page 124/157
Date of Issue 2021-09-28

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. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 5. Penetration Service

Service(s)	Firepro Pipe Collar CE 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	

Collars secured both faces of the substrate utilising 80mm long pig tail screw through to the FirePro Ablative Coated Batt

¹Patress installation of FirePro Ablative Coated Batt. 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.

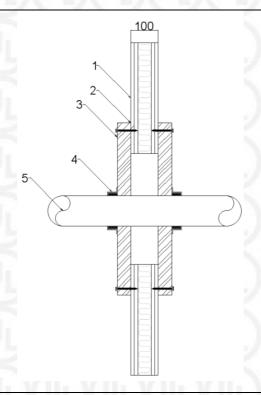


Certificate No. UL-EU-01208-CPR

Page 125/157
Date of Issue 2021-09-28

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. FirePro Acoustic Intumescent Sealant
- 3. FirePro Ablative Coated Batt
- 4. Firepro Pipe Collar CE
- 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)	

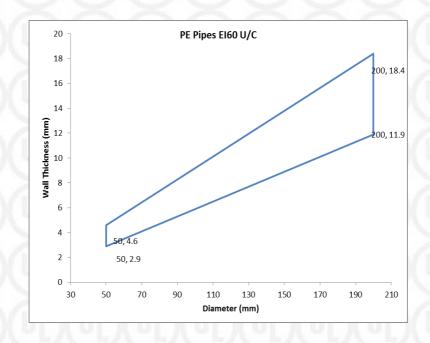
Wrap secured internally within both faces of the FirePro Ablative Coated Batt

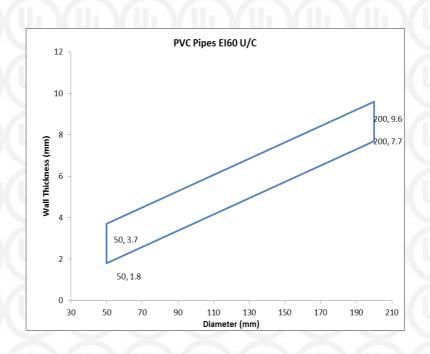
¹Patress installation of FirePro Ablative Coated Batt. The Batts are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of batts to substrate min 100mm. Batts mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max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



Certificate No. UL-EU-01208-CPR

Page 126/157
Date of Issue 2021-09-28

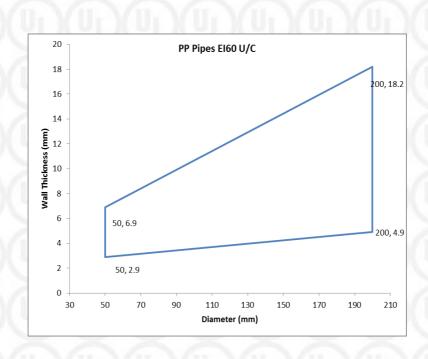






Certificate No. UL-EU-01208-CPR

Page 127/157
Date of Issue 2021-09-28





Certificate No. UL-EU-01208-CPR

Page 128/157
Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600mm High	
30mm overlap patress installed flush to soffit	Key 1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE 5. Penetration Service 5. Penetration Ser
Service(s)	Classification
PVC Pipe 110mm Ø, 4.2mm wall thickness	EI 60 C/U

¹Patress installation of FirePro Ablative Coated Batt. 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 FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE installed both sides of the substrate within the patress installation



Certificate No. UL-EU-01208-CPR

Page 129/157
Date of Issue 2021-09-28

Max Aperture 2600mm Wide x 2600m	mm High
30mm overlap patress installed flush to soffit	Key 1. Supporting construction 2. FirePro Acoustic Intumescent Sealant 3. FirePro Ablative Coated Batt 4. FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE 5. Penetration Service 5. Penetration Service Sealant Service Sealant Sealant
Service(s)	Classification
PVC Pipe 110mm Ø, 4.2mm wall thickness	EI 60 C/U

¹Patress installation of FirePro Ablative Coated Batt. 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 FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE installed both sides of the substrate within the patress installation



Certificate No. UL-EU-01208-CPR

Page 130/157
Date of Issue 2021-09-28

Rigid Floors Minimum Thickness 150mm

Double Layer, FirePro Ablative Coated Batt 50mm, Electrical Cables

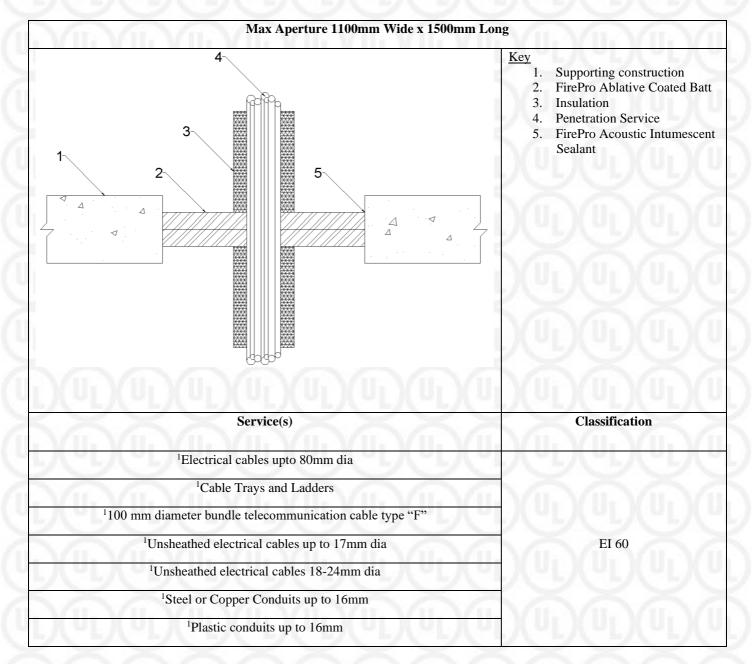
Max Aperture 1100mm Wide x 1500mm Lon	ng
	1. Supporting construction 2. FirePro Ablative Coated Batt 3. FirePro High Expansion Intumescent Sealant 4. FIREPRO® Ablative Liquid 5. Penetration Service 6. FirePro Acoustic Intumescent Sealant
Penetration Specification	Classification
*500mm perforated cable tray	Variable Contraction
*Electrical cables up to 21mm ø	
*1 off 'C1' Cable	EI 60
*1 off 'C2' Cable	
*1 off 'C3' Cable	VANAPACAY.

^{*}All cables coated with 2mm DFT FIREPRO® Ablative Liquid 300mm along the cables upper side of the seal FirePro High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the FirePro Ablative Coated Batt



Certificate No. UL-EU-01208-CPR

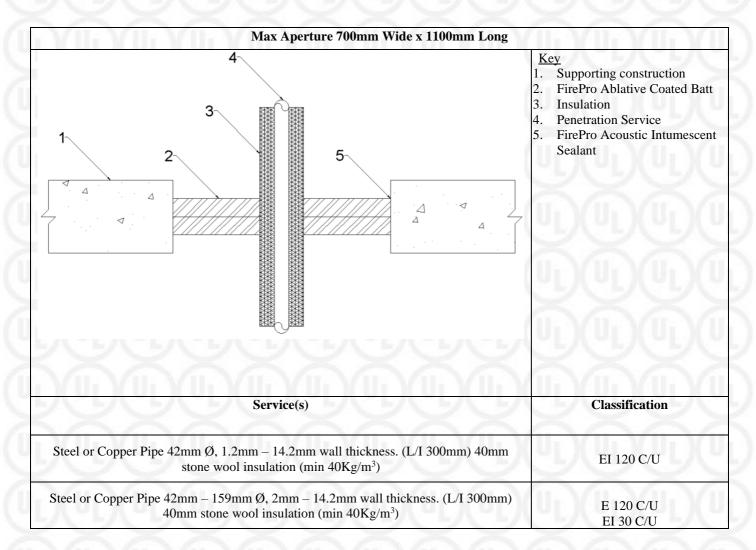
Page 131/157
Date of Issue 2021-09-28



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

Certificate No. UL-EU-01208-CPR

Page 132/157
Date of Issue 2021-09-28





Certificate No. UL-EU-01208-CPR

Page 133/157
Date of Issue 2021-09-28

Double Layer, FirePro Ablative Coated Batt 50mm, Insulated Metallic Pipes

Max Aperture 1100mm Wide x 1500mm Long	
3	Key 1. Supporting construction 2. FirePro Ablative Coated Batt 3. Insulation 4. Penetration Service 5. FirePro 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

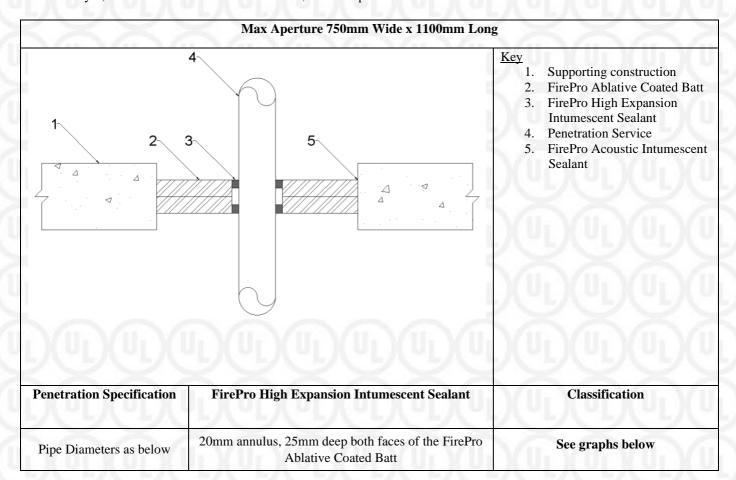


Certificate No. UL-EU-01208-CPR

Page 134/157

Date of Issue 2021-09-28

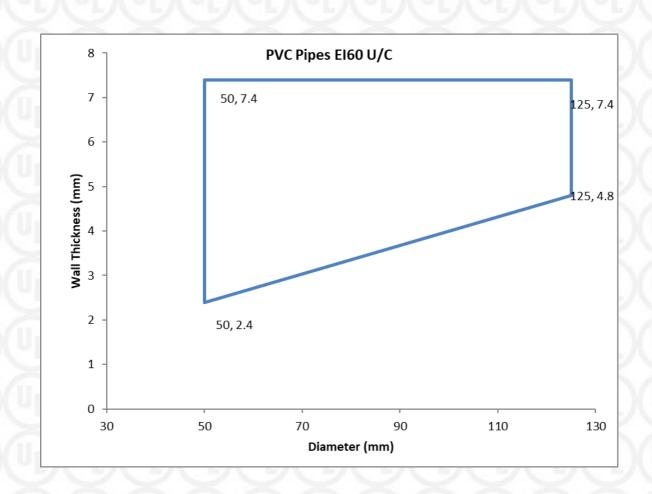
Double Layer, FirePro Ablative Coated Batt 50mm, Plastic Pipes





Certificate No. UL-EU-01208-CPR

Page 135/157
Date of Issue 2021-09-28





Certificate No. UL-EU-01208-CPR

Page 136/157
Date of Issue 2021-09-28

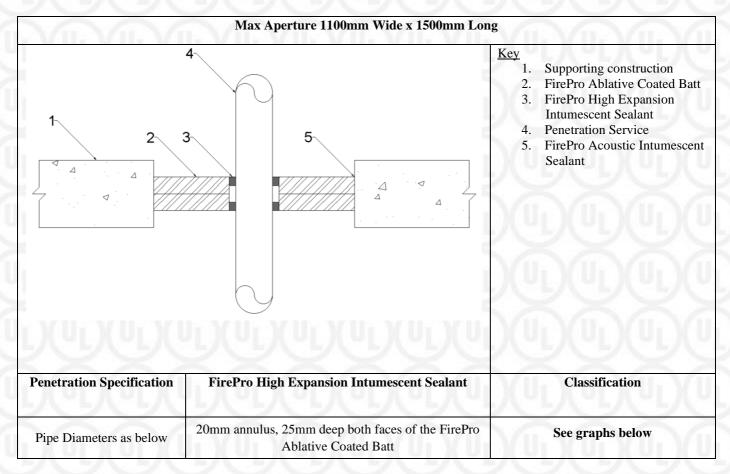
Max Aperture 750mm Wide x 1100mm Lo	ng
	1. Supporting construction 2. FirePro Ablative Coated Batt 3. FirePro High Expansion Intumescent Sealant 4. Penetration Service 5. FirePro Acoustic Intumescent Sealant
Penetration Specification	Classification
	_ M/III_M/III_M/III_M/
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness	
	EI 60 U/C
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness	EI 60 U/C
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

FirePro High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the FirePro Ablative Coated Batt

(UL)

Certificate No. UL-EU-01208-CPR

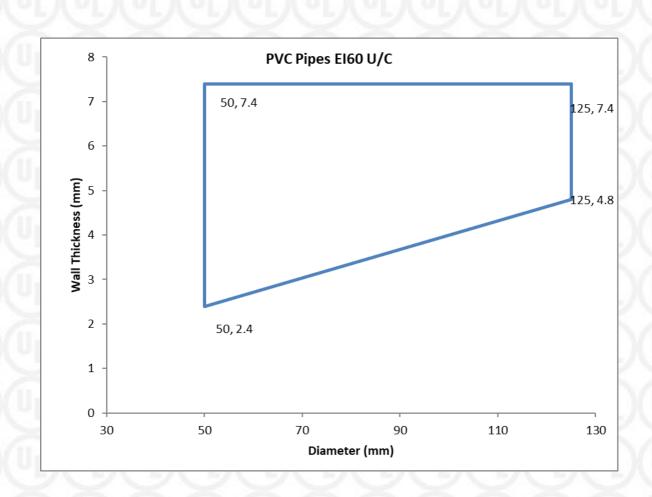
Page 137/157
Date of Issue 2021-09-28





Certificate No. UL-EU-01208-CPR

Page 138/157
Date of Issue 2021-09-28





Certificate No. UL-EU-01208-CPR

Page 139/157
Date of Issue 2021-09-28

Max Aperture 1100mm Wide x 1500mm Lor	ıg
	1. Supporting construction 2. FirePro Ablative Coated Batt 3. FirePro High Expansion Intumescent Sealant 4. Penetration Service 5. FirePro Acoustic Intumescent Sealant
Penetration Specification	Classification
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness	$(U_L)(U_L)(U_L)(U_L)(U_L)(U_L)(U_L)(U_L)$
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness	
	Will Will Will Wi
Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness	EI 60 U/C
Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness Uponor MLC (Multi-Layer Composite) Pipe 75mm ø 7.5mm wall thickness	EI 60 U/C
	EI 60 U/C

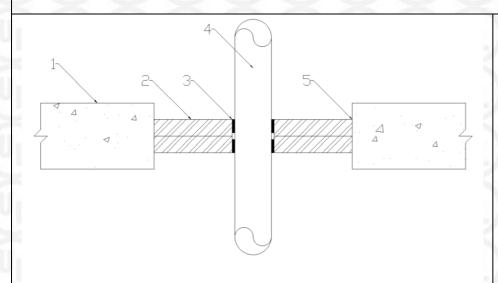
FirePro High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the FirePro Ablative Coated Batt

(UL)

Certificate No. UL-EU-01208-CPR

Page 140/157
Date of Issue 2021-09-28

Max Aperture 350mm Wide x 1000mm Long



Key

- 1. Supporting construction
- 2. FirePro Ablative Coated Batt
- 3. FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE
- 4. Penetration Service
- 5. FirePro Acoustic Intumescent Sealant

Service(s)	FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE Ref	Classification
PVC Pipe up to 125mm Ø, 4.8-7.4mm wall thickness.	2mm thickness	EI 120 U/C
PP Pipe up to 40mm Ø, 3.1-17.1mm wall thickness.	2mm thickness	
PE Pipe up to 125mm Ø, 11.4mm wall thickness.	2mm thickness	
DE D'	2mm thickness	E 120 U/C
PE Pipe up to 125mm Ø, 3.1-11.4mm wall thickness.	(n. 3/n. 3/n. 1/n	EI 90 U/C

¹FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE secured internally within both faces of the FirePro Ablative Coated Batt



Max Aperture 1100mm Wide x 1500mm Long

Certificate No. UL-EU-01208-CPR

Page 141/157
Date of Issue 2021-09-28

1. Supporting construction 2. FirePro Ablative Coated Batt 3. FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE

4. Penetration Service

5. FirePro Acoustic Intumescent Sealant

Service(s)	FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE 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 60 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	

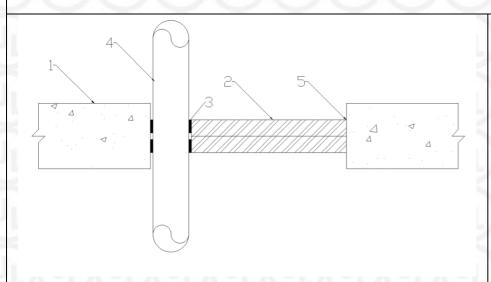
¹FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE secured internally within both faces of the FirePro Ablative Coated Batt



Certificate No. UL-EU-01208-CPR

Page 142/157
Date of Issue 2021-09-28

Max Aperture 350mm Wide x 1000mm Long



Kev

- 1. Supporting construction
- 2. FirePro Ablative Coated Batt
- 3. FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE
- 4. Penetration Service
- 5. FirePro Acoustic Intumescent Sealant

Service(s)	FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE 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
r E ripe up to 125mm \emptyset , 3.1-11.4mm wan unckness.		EI 90 U/C

¹FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE secured internally within both faces of the FirePro Ablative Coated Batt



Certificate No. UL-EU-01208-CPR

Page 143/157
Date of Issue 2021-09-28

Max Aperture 1100mm Wide x 1500mm Long 1. Supporting construction FirePro Ablative Coated Batt FirePro Intumescent Pipewrap Roll/FirePro Pipe Wrap CE Penetration Service FirePro Acoustic Intumescent Sealant **FirePro Intumescent** Classification Service(s) Pipewrap Roll/FirePro Pipe Wrap CE 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.

¹FirePro Intumescent Pipewrap Roll/ FirePro Pipe Wrap CE secured internally within both faces of the FirePro Ablative Coated Batt



Certificate No. UL-EU-01208-CPR

Page 144/157

Date of Issue 2021-09-28

Max Aperture 350mm Wide x 1000mm Long Key Supporting construction 1. Penetration Service FirePro Ablative Coated Batt FirePro Acoustic Intumescent Sealant 5. Firepro Pipe Collar CE **Penetration Specification** Firepro Pipe Collar CE Classification Pipe Diameters as below. Fixed to the underside of the FirePro Ablative Coated EI 120 U/C Zero Distance Batt utilising steel pig tail fixings

Penetration Specification	Collar Reference	Intumescent Material
PVC Pipe 32mm Ø 1.8mm wall thickness	32mm Firepro Pipe Collar CE	(a \ /a \ /a \ /a
PVC Pipe 40mm Ø 1.8mm wall thickness	40mm Firepro Pipe Collar CE	30mm (W) x 4mm (T)
PVC Pipe 50mm Ø 1.8mm wall thickness	50mm Firepro Pipe Collar CE	マン シ い り い り し
PVC Pipe 55mm Ø 2.3-2.8mm wall thickness	55mm Firepro Pipe Collar CE	30mm (W) x 6mm (T)
PVC Pipe 63mm Ø 2.3-2.8mm wall thickness	63mm Firepro Pipe Collar CE	m - Mil-Mil-Mi
PVC Pipe 75mm Ø 3.1-4.4mm wall thickness	75mm Firepro Pipe Collar CE	30mm (W) x 8mm (T)
PVC Pipe 82mm Ø 3.1-4.4mm wall thickness	82mm Firepro Pipe Collar CE	
PVC Pipe 90mm Ø 4.2-6.6mm wall thickness	90mm Firepro Pipe Collar CE	30mm (W) x 10mm (T)
PVC Pipe 100mm Ø 4.2-6.6mm wall thickness	100mm Firepro Pipe Collar CE	
PVC Pipe 110mm Ø 4.2-6.6mm wall thickness	110mm Firepro Pipe Collar CE	
PVC Pipe 125mm Ø 6.0mm wall thickness	125mm Firepro Pipe Collar CE	40mm (W) x 12mm (T)
PVC Pipe 140mm Ø 6.1-7.5mm wall thickness	140mm Firepro Pipe Collar CE	
PVC Pipe 160mm Ø 6.2-9.5mm wall thickness	160mm Firepro Pipe Collar CE	



Certificate No. UL-EU-01208-CPR

Page 145/157
Date of Issue 2021-09-28

Penetration Specification	Collar Reference	Intumescent Material	
PP Pipe 32mm Ø 2.9mm wall thickness	32mm Firepro Pipe Collar CE		
PP Pipe 40mm Ø 2.9mm wall thickness	40mm Firepro Pipe Collar CE	30mm (W) x 4mm (T)	
PP Pipe 50mm Ø 2.9mm wall thickness	50mm Firepro Pipe Collar CE	rum 26 Um 26 Um 26 L	
PP Pipe 55mm Ø 2.9-4.4mm wall thickness	55mm Firepro Pipe Collar CE	30mm (W) x 6mm (T)	
PP Pipe 63mm Ø 2.9-4.4mm wall thickness	63mm Firepro Pipe Collar CE	$\times \times \times \rangle$	
PP Pipe 75mm Ø 2.8-6.7mm wall thickness	75mm Firepro Pipe Collar CE	30mm (W) x 8mm (T)	
PP Pipe 82mm Ø 2.8-6.7mm wall thickness	82mm Firepro Pipe Collar CE	C L/C L/C L/C L/C	
PP Pipe 90mm Ø 2.7-10.0mm wall thickness	90mm Firepro Pipe Collar CE	30mm (W) x 10mm (T)	
PP Pipe 100mm Ø 2.7-10.0mm wall thickness	100mm Firepro Pipe Collar CE	/n \/ (n \/	
PP Pipe 110mm Ø 2.7-10.0mm wall thickness	110mm Firepro Pipe Collar CE	[티크(티크(티크(티크(
PP Pipe 125mm Ø 3.1mm wall thickness	125mm Firepro Pipe Collar CE	40mm (W) x 12mm (T)	
PP Pipe 140mm Ø 3.5-8.0mm wall thickness	140mm Firepro Pipe Collar CE		
PP Pipe 160mm Ø 4.0-14.6mm wall thickness	160mm Firepro Pipe Collar CE	ru - Wu - Wu - Wu	

Penetration Specification	Collar Reference	Intumescent Material	
PE Pipe 32mm Ø 2.9mm wall thickness	32mm Firepro Pipe Collar CE		
PE Pipe 40mm Ø 2.9mm wall thickness	40mm Firepro Pipe Collar CE	30mm (W) x 4mm (T)	
PE Pipe 50mm Ø 2.9mm wall thickness	50mm Firepro Pipe Collar CE		
PE Pipe 55mm Ø 2.9-4.4mm wall thickness	55mm Firepro Pipe Collar CE	30mm (W) x 6mm (T)	
PE Pipe 63mm Ø 2.9-4.4mm wall thickness	63mm Firepro Pipe Collar CE	\times \times \times \times	
PE Pipe 75mm Ø 2.8-6.7mm wall thickness 75mm Firepro Pipe Collar CE		30mm (W) x 8mm (T)	
PE Pipe 82mm Ø 2.8-6.7mm wall thickness	82mm Firepro Pipe Collar CE		
PE Pipe 90mm Ø 2.7-10.0mm wall thickness	90mm Firepro Pipe Collar CE	30mm (W) x 10mm (T)	
PE Pipe 100mm Ø 2.7-10.0mm wall thickness	100mm Firepro Pipe Collar CE		
PE Pipe 110mm Ø 2.7-10.0mm wall thickness	110mm Firepro Pipe Collar CE	U 1/ U 1/ U 1/ U 1/ U	
PE Pipe 125mm Ø 3.1mm wall thickness	125mm Firepro Pipe Collar CE	40mm (W) x 12mm (T)	
PE Pipe 140mm Ø 3.9-5.8mm wall thickness	140mm Firepro Pipe Collar CE	\times	
PE Pipe 160mm Ø 4.9-9.5mm wall thickness	160mm Firepro Pipe Collar CE	ali: Mili: Mili: Mili	



Certificate No. UL-EU-01208-CPR

Page 146/157

Date of Issue 2021-09-28

Double Layer, FirePro Ablative Coated Batt 50mm, Patress Installed Electrical Cables

Max Aperture 1000mm Wide x 1300mm Long	g
	1. Supporting construction 2. FirePro Ablative Coated Batt 3. FirePro High Expansion Intumescent Sealant 4. FIREPRO® Ablative Liquid 5. Penetration Service 6. FirePro Acoustic Intumescent Sealant
Penetration Specification	Classification
*500mm perforated cable tray	Vu Vu Vu Vu
*Electrical cables up to 21mm ø	
*1 off 'C1' Cable	EI 60
*1 off 'C2' Cable	VENERAL CONTRACTOR
*1 off 'C3' Cable	VII. VII. VII. VII

^{*}All cables coated with 2mm DFT FIREPRO® Ablative Liquid 300mm along the cables upper side of the seal FirePro High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the FirePro Ablative Coated Batt



Certificate No. UL-EU-01208-CPR

Page 147/157
Date of Issue 2021-09-28

Max Aperture 1000mm Wide x 1300mm Lon	ng
	Key 1. Supporting construction 2. FirePro Ablative Coated Batt 3. Insulation 4. Penetration Service 5. FirePro Acoustic Intumescent Sealant
Service(s)	Classification
¹ Electrical cables upto 80mm dia ¹ Cable Trays and Ladders)(ul)(ul)(u
¹ 100 mm diameter bundle telecommunication cable type "F")(U ₁)(U ₁)(U ₁)(U
¹ Unsheathed electrical cables up to 17mm dia	EI 60
¹ Unsheathed electrical cables 18-24mm dia	Yu Yu Yu Yu Yu
¹ Steel or Copper Conduits up to 16mm	
¹ Plastic conduits up to 16mm	$(U_L)(U_L)(U_L)(U_L)$

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

(II)

Certificate No. UL-EU-01208-CPR

Page 148/157
Date of Issue 2021-09-28

Double Layer, FirePro Ablative Coated Batt 50mm, Pattress Installed Insulated Metallic Pipes

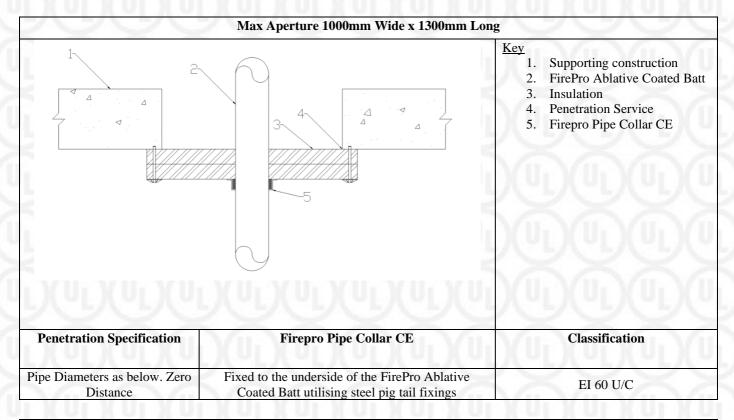
Max Aperture 1000mm Wide x 1300mm Lon	g
	Key 1. Supporting construction 2. FirePro Ablative Coated Batt 3. Insulation 4. Penetration Service 5. FirePro Acoustic Intumescent Sealant
Service(s)	Classification
Steel or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m³)	EI 60 C/U
Steel or Copper Pipe 42mm – 159mm Ø, 2mm – 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m³)	E 60 C/U EI 30 C/U



Certificate No. UL-EU-01208-CPR

Page 149/157
Date of Issue 2021-09-28

Double Layer, FirePro Ablative Coated Batt 50mm, Pattress Installed Plastic Pipes



Penetration Specification	Collar Reference	Intumescent Material	
PVC Pipe 32mm Ø 1.8mm wall thickness	32mm Firepro Pipe Collar CE	ALVILVII. VII.	
PVC Pipe 40mm Ø 1.8mm wall thickness	40mm Firepro Pipe Collar CE	30mm (W) x 4mm (T)	
PVC Pipe 50mm Ø 1.8mm wall thickness	50mm Firepro Pipe Collar CE		
PVC Pipe 55mm Ø 2.3-2.8mm wall thickness	55mm Firepro Pipe Collar CE	30mm (W) x 6mm (T)	
PVC Pipe 63mm Ø 2.3-2.8mm wall thickness	63mm Firepro Pipe Collar CE	(U ::)(U ::)(U ::)(U	
PVC Pipe 75mm Ø 3.1-4.4mm wall thickness 75mm Firepro Pipe Collar CE		30mm (W) x 8mm (T)	
PVC Pipe 82mm Ø 3.1-4.4mm wall thickness	82mm Firepro Pipe Collar CE		
PVC Pipe 90mm Ø 4.2-6.6mm wall thickness	90mm Firepro Pipe Collar CE	30mm (W) x 10mm (T)	
PVC Pipe 100mm Ø 4.2-6.6mm wall thickness	100mm Firepro Pipe Collar CE	いりいりいりい	
PVC Pipe 110mm Ø 4.2-6.6mm wall thickness	110mm Firepro Pipe Collar CE	\times \times \times \times	
PVC Pipe 125mm Ø 6.0mm wall thickness 125mm Firepro Pipe Collar CE		40mm (W) x 12mm (T)	
PVC Pipe 140mm Ø 6.1-7.5mm wall thickness	140mm Firepro Pipe Collar CE	ピレバタレバタレバタ	
PVC Pipe 160mm Ø 6.2-9.5mm wall thickness	160mm Firepro Pipe Collar CE		



Certificate No. UL-EU-01208-CPR
Page 150/157
Date of Issue 2021-09-28

Penetration Specification	Collar Reference	Intumescent Material	
PP Pipe 32mm Ø 2.9mm wall thickness	32mm Firepro Pipe Collar CE	$\times \times \times \times$	
PP Pipe 40mm Ø 2.9mm wall thickness	40mm Firepro Pipe Collar CE	30mm (W) x 4mm (T)	
PP Pipe 50mm Ø 2.9mm wall thickness	50mm Firepro Pipe Collar CE	ヒメリンス・フレス・フレス・フレス・ファ	
PP Pipe 55mm Ø 2.9-4.4mm wall thickness	55mm Firepro Pipe Collar CE	30mm (W) x 6mm (T)	
PP Pipe 63mm Ø 2.9-4.4mm wall thickness	63mm Firepro Pipe Collar CE		
PP Pipe 75mm Ø 2.8-6.7mm wall thickness	75mm Firepro Pipe Collar CE	30mm (W) x 8mm (T)	
PP Pipe 82mm Ø 2.8-6.7mm wall thickness	82mm Firepro Pipe Collar CE		
PP Pipe 90mm Ø 2.7-10.0mm wall thickness	90mm Firepro Pipe Collar CE	30mm (W) x 10mm (T)	
PP Pipe 100mm Ø 2.7-10.0mm wall thickness	100mm Firepro Pipe Collar CE		
PP Pipe 110mm Ø 2.7-10.0mm wall thickness	110mm Firepro Pipe Collar CE	こりにりにりに	
PP Pipe 125mm Ø 3.1mm wall thickness	125mm Firepro Pipe Collar CE	40mm (W) x 12mm (T)	
PP Pipe 140mm Ø 3.5-8.0mm wall thickness	140mm Firepro Pipe Collar CE	7n - Mar. Mar. Ma	
PP Pipe 160mm Ø 4.0-14.6mm wall thickness	160mm Firepro Pipe Collar CE	しんしん ひしん ひしんり	

Penetration Specification	Collar Reference	Intumescent Material	
PE Pipe 32mm Ø 2.9mm wall thickness	32mm Firepro Pipe Collar CE	***	
PE Pipe 40mm Ø 2.9mm wall thickness	40mm Firepro Pipe Collar CE	30mm (W) x 4mm (T)	
PE Pipe 50mm Ø 2.9mm wall thickness	50mm Firepro Pipe Collar CE	CLLVALVALV	
PE Pipe 55mm Ø 2.9-4.4mm wall thickness	55mm Firepro Pipe Collar CE	30mm (W) x 6mm (T)	
PE Pipe 63mm Ø 2.9-4.4mm wall thickness	63mm Firepro Pipe Collar CE	/II \/ II \/ II \/ II	
PE Pipe 75mm Ø 2.8-6.7mm wall thickness	75mm Firepro Pipe Collar CE	30mm (W) x 8mm (T)	
PE Pipe 82mm Ø 2.8-6.7mm wall thickness	82mm Firepro Pipe Collar CE		
PE Pipe 90mm Ø 2.7-10.0mm wall thickness	90mm Firepro Pipe Collar CE	30mm (W) x 10mm (T)	
PE Pipe 100mm Ø 2.7-10.0mm wall thickness	100mm Firepro Pipe Collar CE	(U+)/ U+)/ U+)/	
PE Pipe 110mm Ø 2.7-10.0mm wall thickness	110mm Firepro Pipe Collar CE	しんにんにん	
PE Pipe 125mm Ø 3.1mm wall thickness	125mm Firepro Pipe Collar CE	40mm (W) x 12mm (T)	
PE Pipe 140mm Ø 3.9-5.8mm wall thickness	140mm Firepro Pipe Collar CE	711 - Will Will W	
PE Pipe 160mm Ø 4.9-9.5mm wall thickness	160mm Firepro Pipe Collar CE	CLTV.LTV.LTV	



Certificate No. UL-EU-01208-CPR

Page 151/157
Date of Issue 2021-09-28

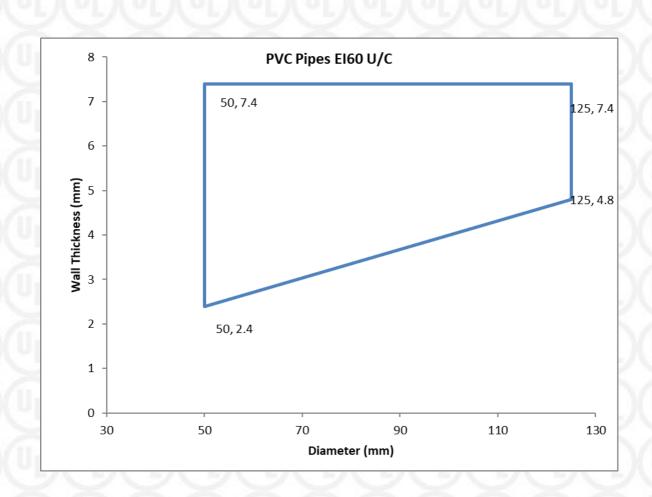
Double Layer, FirePro Ablative Coated Batt 50mm, Plastic Pipes

Max Aperture 1000mm Wide x 1300mm Long Key 1. Supporting construction FirePro Ablative Coated Batt FirePro High Expansion **Intumescent Sealant** 4. Penetration Service 5. FirePro Acoustic Intumescent Sealant Classification **Penetration Specification** FirePro High Expansion Intumescent Sealant 20mm annulus, 25mm deep both faces of the FirePro See graphs below Pipe Diameters as below **Ablative Coated Batt**



Certificate No. UL-EU-01208-CPR

Page 152/157
Date of Issue 2021-09-28





Certificate No. UL-EU-01208-CPR

Page 153/157
Date of Issue 2021-09-28

Max Aperture 1000mm Wide x 1300mm Long Key Supporting construction FirePro Ablative Coated **Batt** FirePro High Expansion **Intumescent Sealant** Penetration Service FirePro 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

FirePro High Expansion Intumescent Sealant 20mm annulus full 50mm depth of the FirePro Ablative Coated Batt

(II)

Certificate No. UL-EU-01208-CPR

Page 154/157
Date of Issue 2021-09-28

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

Penetration Specification	Collar Reference	Intumescent Material	
PVC Pipe 32mm Ø 1.8mm wall thickness	32mm Firepro Pipe Collar CE	A A A A	
PVC Pipe 40mm Ø 1.8mm wall thickness	40mm Firepro Pipe Collar CE	30mm (W) x 4mm (T)	
PVC Pipe 50mm Ø 1.8mm wall thickness	50mm Firepro Pipe Collar CE		
PVC Pipe 55mm Ø 2.3-2.8mm wall thickness	55mm Firepro Pipe Collar CE	30mm (W) x 6mm (T)	
PVC Pipe 63mm Ø 2.3-2.8mm wall thickness	63mm Firepro Pipe Collar CE		
PVC Pipe 75mm Ø 3.1-4.4mm wall thickness	75mm Firepro Pipe Collar CE	30mm (W) x 8mm (T)	
PVC Pipe 82mm Ø 3.1-4.4mm wall thickness	82mm Firepro Pipe Collar CE		
PVC Pipe 90mm Ø 4.2-6.6mm wall thickness	90mm Firepro Pipe Collar CE	30mm (W) x 10mm (T)	
PVC Pipe 100mm Ø 4.2-6.6mm wall thickness	100mm Firepro Pipe Collar CE	ru a Your Your Yu	
PVC Pipe 110mm Ø 4.2-6.6mm wall thickness	110mm Firepro Pipe Collar CE		
PVC Pipe 125mm Ø 6.0mm wall thickness	125mm Firepro Pipe Collar CE	40mm (W) x 12mm (T)	
PVC Pipe 140mm Ø 6.1-7.5mm wall thickness	140mm Firepro Pipe Collar CE	al. VII. VII. VI	
PVC Pipe 160mm Ø 6.2-9.5mm wall thickness	160mm Firepro Pipe Collar CE		



Certificate No. UL-EU-01208-CPR
Page 155/157
Date of Issue 2021-09-28

Penetration Specification	Collar Reference	Intumescent Material	
PP Pipe 32mm Ø 2.9mm wall thickness	32mm Firepro Pipe Collar CE	/II-AVIII-AVIII-AV	
PP Pipe 40mm Ø 2.9mm wall thickness	40mm Firepro Pipe Collar CE	30mm (W) x 4mm (T)	
PP Pipe 50mm Ø 2.9mm wall thickness	50mm Firepro Pipe Collar CE		
PP Pipe 55mm Ø 2.9-4.4mm wall thickness	55mm Firepro Pipe Collar CE	30mm (W) x 6mm (T)	
PP Pipe 63mm Ø 2.9-4.4mm wall thickness	63mm Firepro Pipe Collar CE	(Ui)(Ui)(Ui)(
PP Pipe 75mm Ø 2.8-6.7mm wall thickness	75mm Firepro Pipe Collar CE	30mm (W) x 8mm (T)	
PP Pipe 82mm Ø 2.8-6.7mm wall thickness	82mm Firepro Pipe Collar CE		
PP Pipe 90mm Ø 2.7-10.0mm wall thickness	90mm Firepro Pipe Collar CE	30mm (W) x 10mm (T)	
PP Pipe 100mm Ø 2.7-10.0mm wall thickness	100mm Firepro Pipe Collar CE		
PP Pipe 110mm Ø 2.7-10.0mm wall thickness	110mm Firepro Pipe Collar CE		
PP Pipe 125mm Ø 3.1mm wall thickness	125mm Firepro Pipe Collar CE	40mm (W) x 12mm (T)	
PP Pipe 140mm Ø 3.5-8.0mm wall thickness	140mm Firepro Pipe Collar CE		
PP Pipe 160mm Ø 4.0-14.6mm wall thickness	160mm Firepro Pipe Collar CE		

Penetration Specification	Collar Reference	Intumescent Material
PE Pipe 32mm Ø 2.9mm wall thickness	32mm Firepro Pipe Collar CE	CALVALVACIVA
PE Pipe 40mm Ø 2.9mm wall thickness	40mm Firepro Pipe Collar CE	30mm (W) x 4mm (T)
PE Pipe 50mm Ø 2.9mm wall thickness	50mm Firepro Pipe Collar CE	
PE Pipe 55mm Ø 2.9-4.4mm wall thickness	55mm Firepro Pipe Collar CE	30mm (W) x 6mm (T)
PE Pipe 63mm Ø 2.9-4.4mm wall thickness	63mm Firepro Pipe Collar CE	
PE Pipe 75mm Ø 2.8-6.7mm wall thickness 75mm Firepro Pipe Collar CE		30mm (W) x 8mm (T)
PE Pipe 82mm Ø 2.8-6.7mm wall thickness	82mm Firepro Pipe Collar CE	
PE Pipe 90mm Ø 2.7-10.0mm wall thickness	90mm Firepro Pipe Collar CE	30mm (W) x 10mm (T)
PE Pipe 100mm Ø 2.7-10.0mm wall thickness	100mm Firepro Pipe Collar CE	\times \times \times
PE Pipe 110mm Ø 2.7-10.0mm wall thickness	110mm Firepro Pipe Collar CE	AL MIL MIL MI
PE Pipe 125mm Ø 3.1mm wall thickness 125mm Firepro Pipe Collar CE		40mm (W) x 12mm (T)
PE Pipe 140mm Ø 3.9-5.8mm wall thickness	140mm Firepro Pipe Collar CE	
PE Pipe 160mm Ø 4.9-9.5mm wall thickness	160mm Firepro Pipe Collar CE	(a \



Certificate No. UL-EU-01208-CPR

Page 156/157
Date of Issue 2021-09-28

Substrate	Minimum Substrate	Maximum Seal width	Minimum Seal	Duct A	Duct Specification (Duct must be classified in accordance with	Fire Re	sistance ns.)	
Substrate	Thickness (mm)	(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	В	OT MUL			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 FirePro Ablative Coated Batt/100 mm ROCKWOOL FIREPRO® High Strength Firestop Compound/125 mm FirePro Ablative Coated Batt

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

Appendix UL-EU Certificate

Certification Mark UL-EU mark

Certificate No. UL-EU-01208-CPR

Page 157/157

Date of Issue 2021-09-28

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.

