UL-EU CERTIFICATE

Certificate No.
UL-EU-01351-EN

Issue date
2025-12-18

Issue No.
1

Re-Issue date
-

Expiry date
2035-12-17

This is to acknowledge that:
ROCKWOOL Ltd

Address:
ROCKWOOL Limited, Wern Tarw, Pencoed, Bridgend, CF35 6NY

Has had the product:
FirePro Flex Seal

evaluated and meets the requirements of the standard(s):

EAD 350454-00-1104, September 2017

Places of production:
ROCKWOOL Ltd, Unit 2, Hams Hall, Canton Lane. B45 1GA, Birmingham

Authorised Signatory:

Chris Johnson
Issued by UL International (UK) Ltd

UKAS PRODUCT CERTIFICATION
4705

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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.

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This certificate relates to the use of FirePro Flex Seal for fire stopping of service penetrations through walls. The detailed scope is given in pages 3 to 17 of this Certificate. This shows the thickness and acceptable dimensions, substrates and orientations required to provide fire resistance periods of up to 120 minutes (EI 120).

The product is certificated on the basis of:

i) Inspection and surveillance of factory production control by UL
ii) Fire resistance test data in accordance with EN 1366-3:2021 & EN 1366-3:2021+A1:2024
iii) Classification in accordance with EN 13501-2:2023
iv) Durability and Serviceability as defined in EAD 350454-00-1104

The durability class of FirePro Flex Seal is Type X: Intended for use at conditions exposed to weathering.

According to EN 1366-3: 2021+A1: 2024, Clause H.4.1.8.6.2, the following end uses are envisaged* based upon the tested pipe end configuration:

Pipe material	Tested pipe end	Envisaged use scenario
Metal	C/U or C/C	Closed pipe systems (e.g. systems under pressure)
	U/U, U/C or C/U	Ventilated pipe systems (e.g. sewage pipes) and for closed pipe systems
Plastic	U/U or C/U	Ventilated pipe systems and for closed pipe systems
	U/U	Ventilated pipe systems, for rainwater systems and for closed pipe systems

* In the case where a national prescription is in conflict with the content of the table above, the national prescriptions prevail.

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3 Performance of the product and references to the methods used for its assessment

Product-Type: Coated Board	Intended Use: Penetration Seal	
Assessment Method	**Essential Characteristics**	**Product Performance**
BWR 2 Safety in case of fire		
EN 13501-1	Reaction to fire	No performance assessed
EN 13501-2:2023	Resistance to fire	See Annex C, pages 7 to 17
BWR 3 Hygiene, health and the environment		
Declaration of Manufacturer & EN 16516	Content, emission and/or release of dangerous substances	Use categories: IA1 Declaration of manufacturer For VOC and SVOC test results, see Annex A, page 4
EN 1026:2016	Air Permeability (Material Property)	No performance assessed
EN 1027:2016	Water Permeability (Material Property)	No performance assessed
BWR 4 Safety and accessibility in use		
EAD 350141-00-1104, Clause 2.2.6	Mechanical resistance and stability	No performance assessed
EAD 350141-00-1104, Clause 2.2.7	Resistance to impact/movement	No performance assessed
EAD 350141-00-1104, Clause 2.2.8	Adhesion	No performance assessed
EAD 350141-00-1104, Clause 2.2.9	Durability	Type X
BWR 5 Protection against noise		
EN 10140-2:2021	Airborne sound insulation	Rw(C; Ctr) 36 (-1;-3) (Minimum) See Annex B, pages 5 & 6
BWR 6 Energy economy and heat retention		
EN 12664, EN 12667, EN 12939, EN ISO 8990, EN ISO 6946, EN ISO 10456	Thermal properties	No performance assessed
EN ISO 12572, EN 12086, EN ISO 10456	Water vapour permeability	No performance assessed

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Annex A - Hygiene, health and the environment - Content, emission and/or release of dangerous substances

FirePro Flex Seal: Analytical VOC Results***		
Density, g/mL	**VOC content (less water), mg/m^3**	**VOC limit mg/m^3**
1.45	$2.6 \cdot 10^6$*	$1.4 \cdot 10^8$**

VOC Content Test Report Number: 392-2025-00181007_XG_EN
VOC Emission Test Report Number: 392-2025-00181002_A_EN_Rockwool Ltd_IAC GOLD

* $2.6 \cdot 10^6$ mg/m^3 of unidentified substances, in addition to VOC content.
** VOC limit for “Decopaint”, Paints and Varnishes scope, Directive 2004/42/CE.
***No SVOC compounds were determined as per VOC Emission test report 392-2025-00181002_A_EN_Rockwool Ltd_IAC GOLD.

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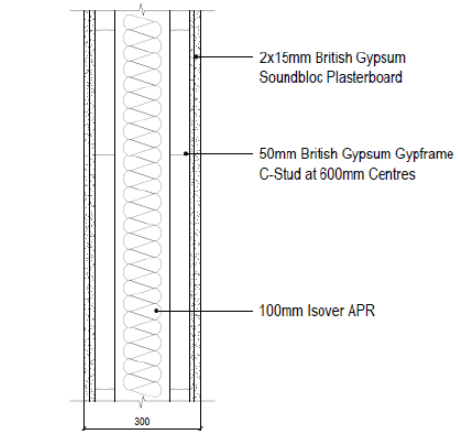
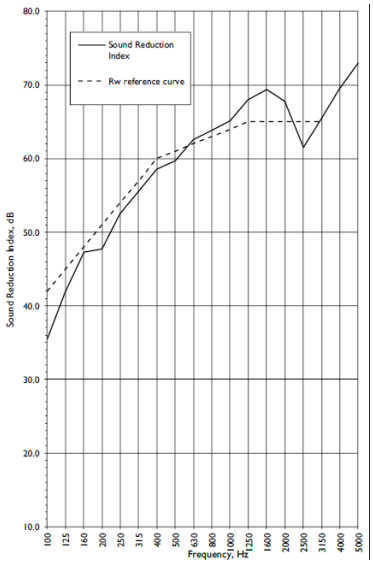
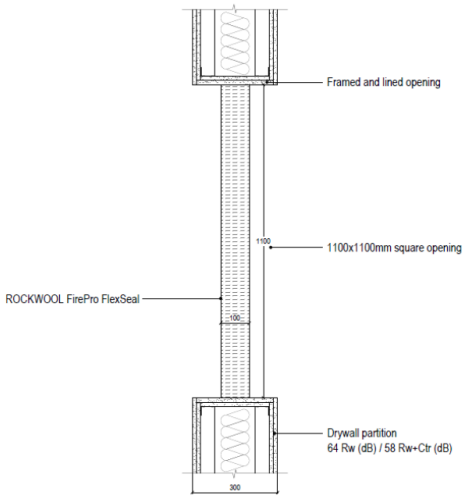
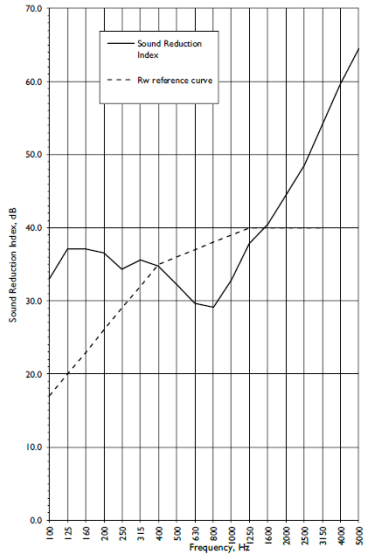
Annex B - Protection against noise – Airborne sound insulation

FirePro Flex Seal: Acoustic performance according to EN ISO 10140-2:2021		
Configuration	**Rw(C; Ctr) Partition & Specimen, 10.95m²**	**Test results**
 Base Wall British Gypsum A216012(A) (EN) 64 Rw (dB) / 58 Rw+Ctr (dB)		61 (-2;-8)
 ROCKWOOL FirePro FlexSeal 1100x1100mm opening		36 (-1;-3)

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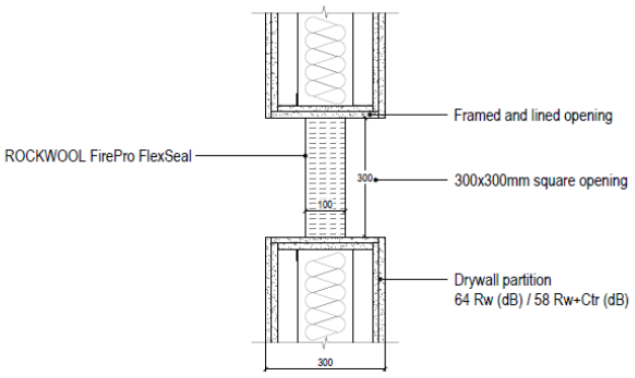
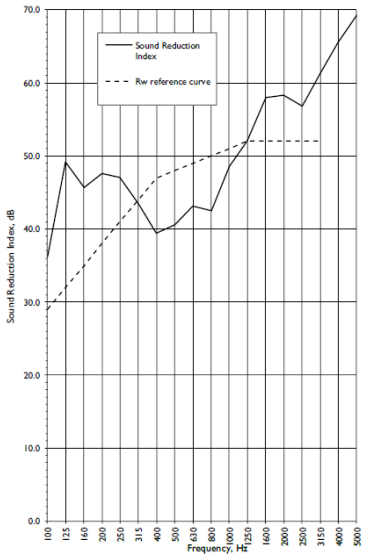
 ROCKWOOL FirePro FlexSeal 300x300mm opening		48 (-1;-3)

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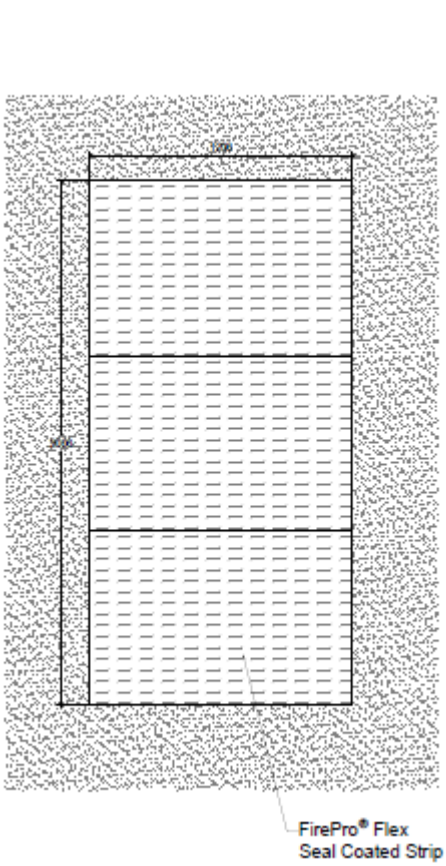
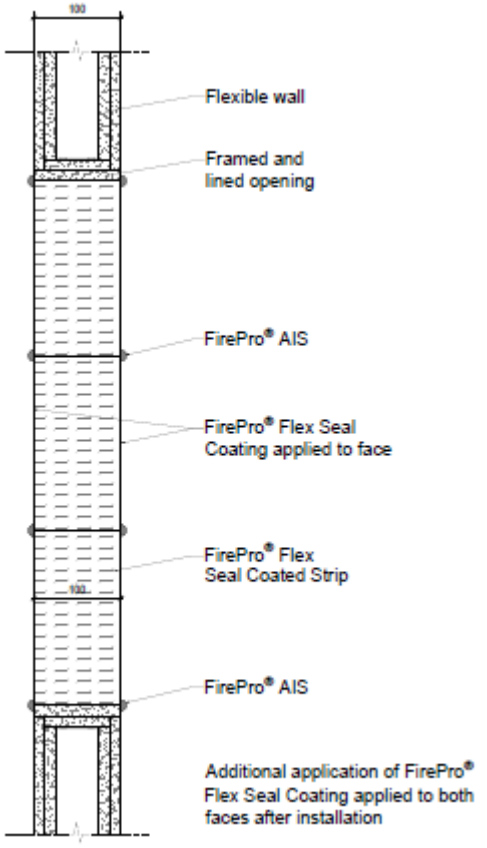
Annex C – Safety in case of fire – Resistance to Fire classification

C.1 Double Skin Flexible walls ≥100mm

C.1.1 Blank Seal – framed and lined openings





Service type	Aperture size	Service protection	Classification
Blank	1200 x 2000 mm	100 mm thick FirePro® Flex Seal Coated Strip, installed with 4mm compression on height & width, fitted centrally within the aperture. All edges and butt joints sealed with FirePro ® AIS sealant. Additional layer of FirePro Flex Seal Coating applied after installation.	**EI 120**

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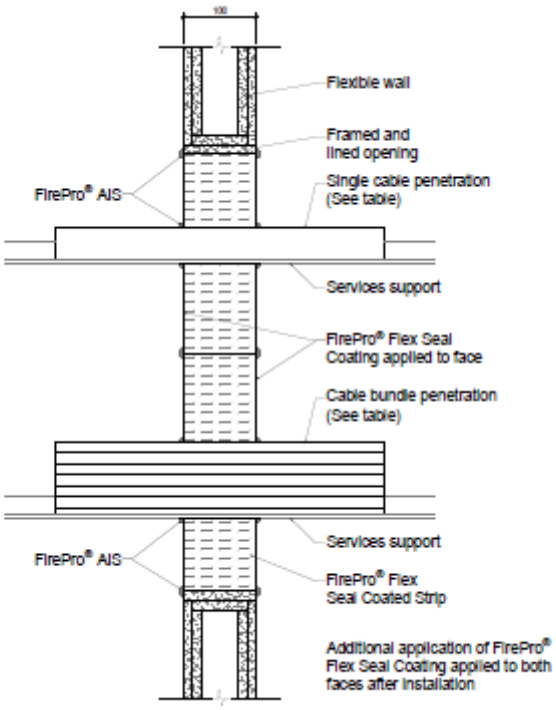
C.1.2 Cable Penetrations - unlagged



Service type		Service size (mm)	Service protection	Classification
Sheathed cables	S	≤21	100 mm thick FirePro® Flex Seal Coated Strip, installed with 10 mm compression on height & width, fitted centrally within the aperture. All edges and butt joints sealed with FirePro ® AIS sealant. Additional layer of FirePro Flex Seal Coating applied to both faces after installation.	**E 120 / EI 60**
	M	≤50		**E 120 / EI 60**
	L	≤80		**E 120 / EI 60**
Cable bundle		≤Ø100 cable bundle of ≤Ø21 cables		**E 120 / EI 60**
Unsheathed cables		≤24		**E 120 / EI 30**
Galvanized steel trays, stainless steel trays, non-perforated steel trays and cable ladders		Unrestricted		**E 120 / EI 60**

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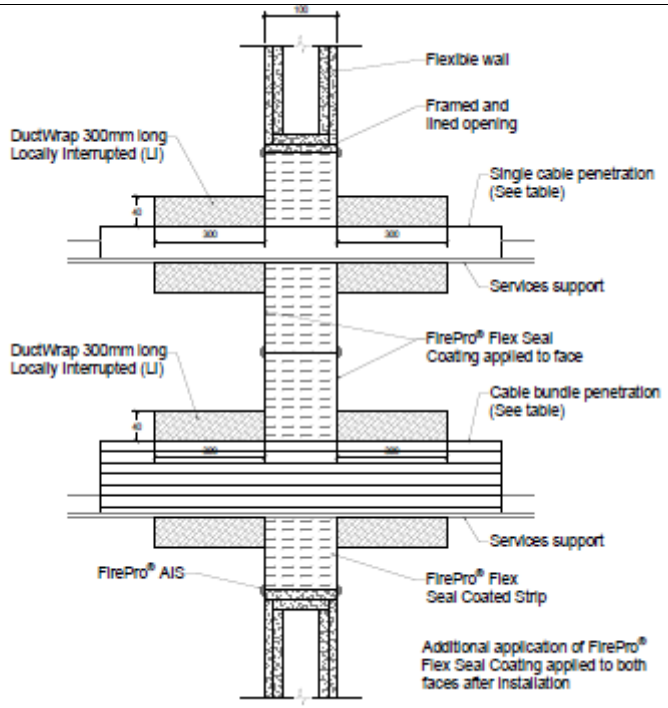
C.1.3 Cable Penetrations - Lagged



Service type		Service size (mm)	Service Protection	Classification
Sheathed cables	S	≤21	100 mm thick FirePro® Flex Seal Coated Strip, installed with 10 mm compression on height & width, fitted centrally within the aperture. All edges and butt joints sealed with FirePro ® AIS sealant. Additional layer of FirePro Flex Seal Coating applied after installation. 40 mm ROCKWOOL® DuctWrap, cut to size and wrapped around the service item in a local interrupted configuration 300 mm to both faces and secured to service with steel wire.	**EI 120**
	M	≤50		**E 120 / EI 60**
	L	≤80		**E 120 / EI 60**
Cable bundle		≤Ø100 cable bundle of ≤Ø21 cables		**EI 120**
Unsheathed cables		≤24		**EI 120**
Perforated steel tray, or basket		Unrestricted		**EI 120**
Cable ladder		Unrestricted		**EI 120**

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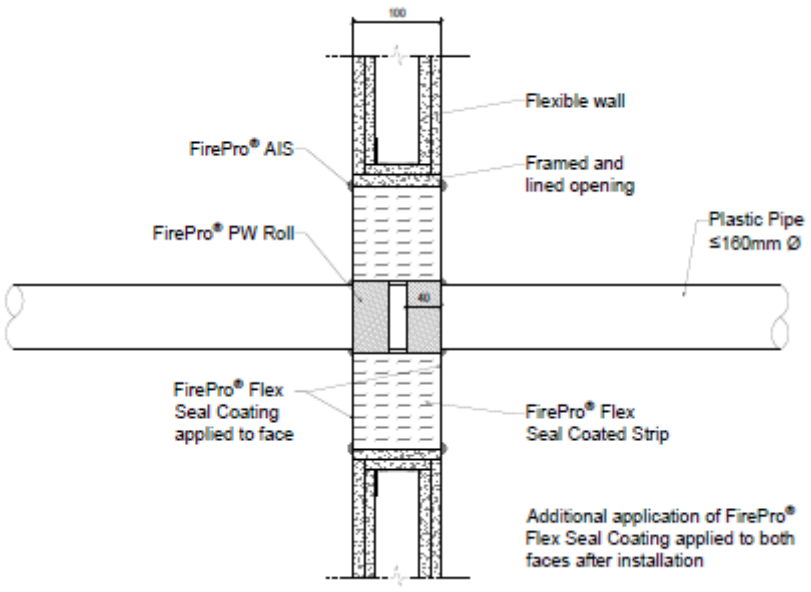
C.1.4 Plastic Pipe Penetrations – FirePro PWRoll



Pipe material	Pipe size (mm)	Pipe Wrap layers (2mm)	Service Protection	Classification
PP/PE/PVC	≤40	1	100 mm thick FirePro® Flex Seal Coated Strip, installed with 10mm compression across the width, fitted centrally within the aperture. All edges and butt joints sealed with FirePro ® AIS sealant. Additional layer of FirePro Flex Seal Coating applied after installation. FirePro® PWROLL wraps installed flush with each face of the seal, around the service.	**E 120/EI 90 U/C**
	41-79	2		
	80-120	3		
	121-160	4		

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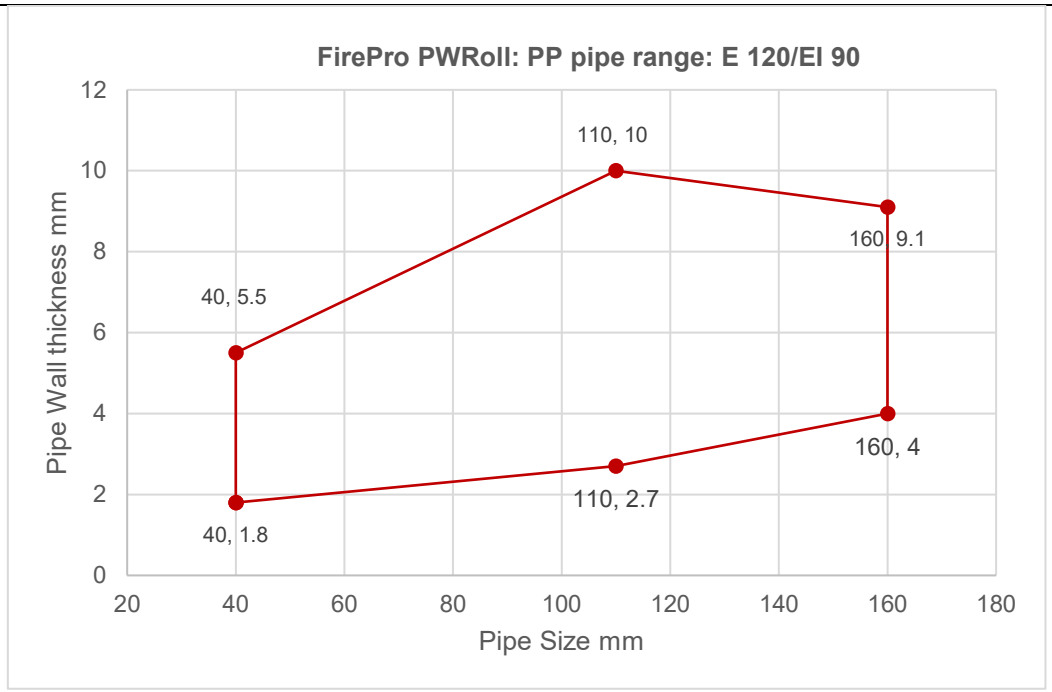

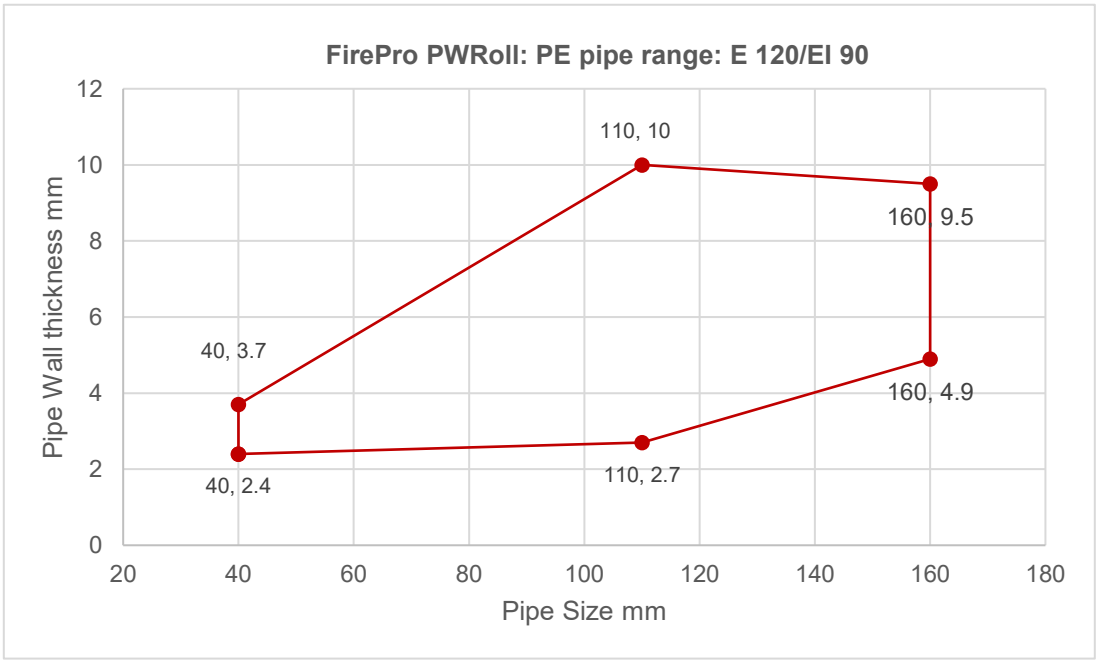

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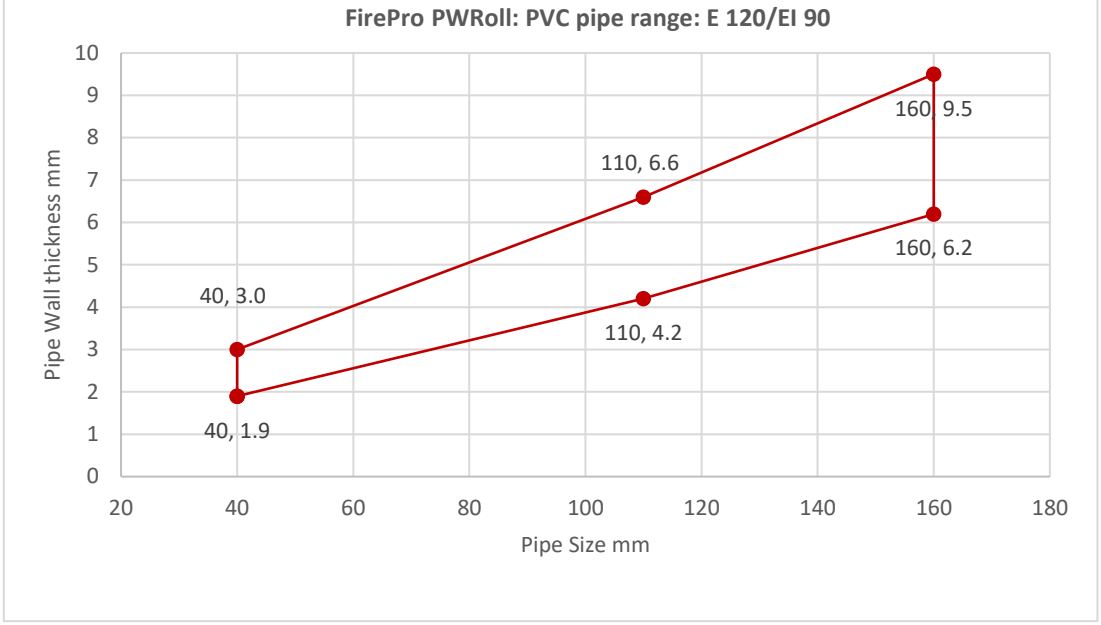

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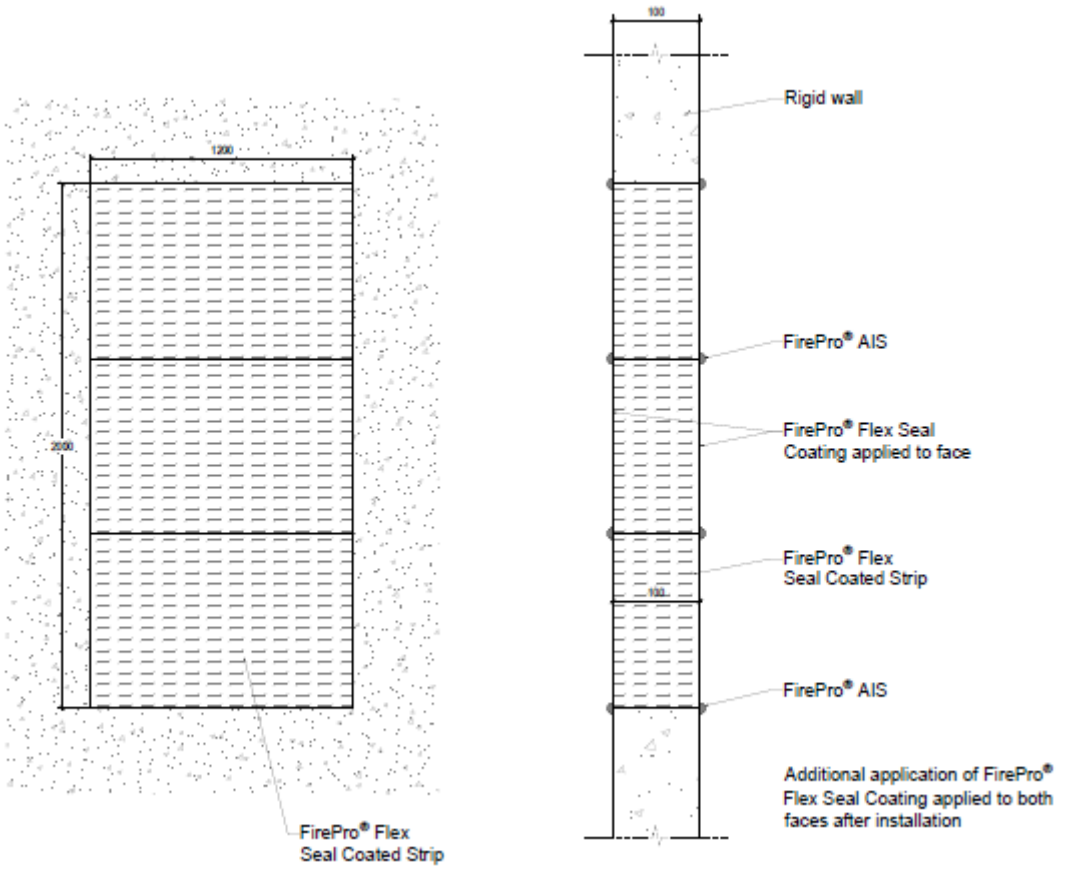
C.2 Rigid walls ≥100mm

C.2.1 Blank Seal



Service type	Aperture size	Service protection	Classification
Blank	1200 x 2000 mm	100 mm thick FirePro® Flex Seal Coated Strip, installed with 4mm compression on height & width, fitted centrally within the aperture. All edges and butt joints sealed with FirePro ® AIS sealant. Additional layer of FirePro Flex Seal Coating applied after installation.	**EI 120**

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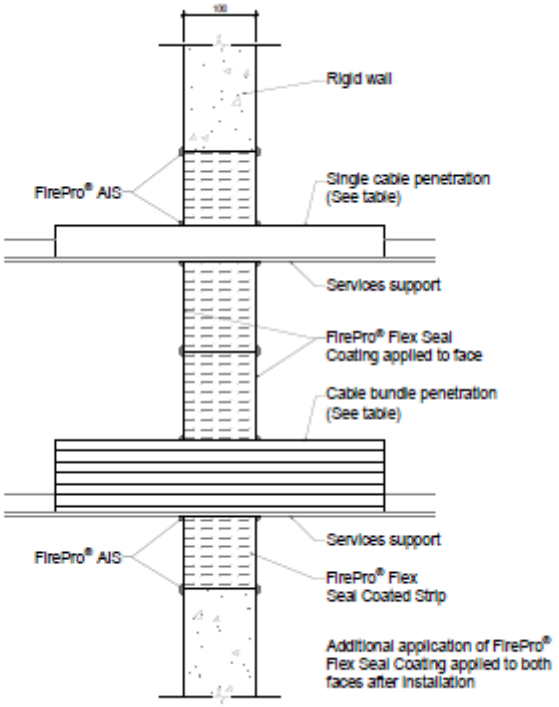
C.2.2 Cable Penetrations - unlagged



Service type		Service size (mm)	Service protection	Classification
Sheathed cables	S	≤21	100 mm FirePro® Flex Seal Coated Strip, installed with 10 mm compression on height & width, fitted centrally within the aperture. All edges and butt joints sealed with FirePro ® AIS sealant. Additional layer of FirePro Flex Seal Coating applied after installation.	**E 120 / EI 60**
	M	≤50		**E 120 / EI 60**
	L	≤80		**E 120 / EI 60**
Cable bundle		≤Ø100 cable bundle of ≤Ø21 cables		**E 120 / EI 60**
Unsheathed cables		≤24		**E 120 / EI 30**
Galvanized steel trays, stainless steel trays, non-perforated steel trays and cable ladders		Unrestricted		**E 120 / EI 60**

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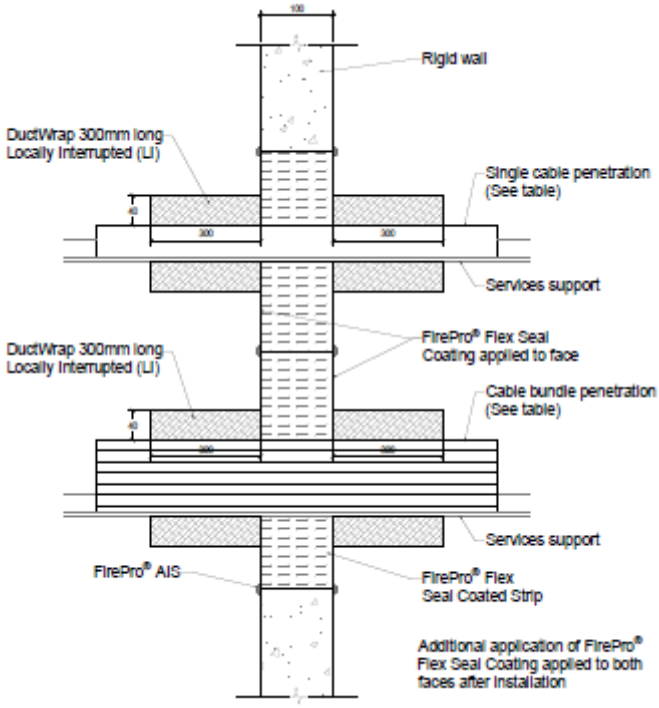
C.2.3 Cable Penetrations - Lagged



Service type		Service size (mm)	Service Protection	Classification
Sheathed cables	S	≤21	100 mm thick FirePro® Flex Seal Coated Strip, installed with 10 mm compression on height & width, fitted centrally within the aperture. All edges and butt joints sealed with FirePro ® AIS sealant. Additional layer of FirePro Flex Seal Coating applied after installation. 40 mm ROCKWOOL® DuctWrap, cut to size and wrapped around the service item in a local interrupted configuration 300 mm to both faces and secured to service with steel wire.	**EI 120**
	M	≤50		**E 120 / EI 60**
	L	≤80		**E 120 / EI 60**
Cable bundle		≤Ø100 cable bundle of ≤Ø21 cables		**EI 120**
Unsheathed cables		≤24		**EI 120**
perforated tray, or basket		Unrestricted		**EI 120**
Cable ladder		Unrestricted		**EI 120**

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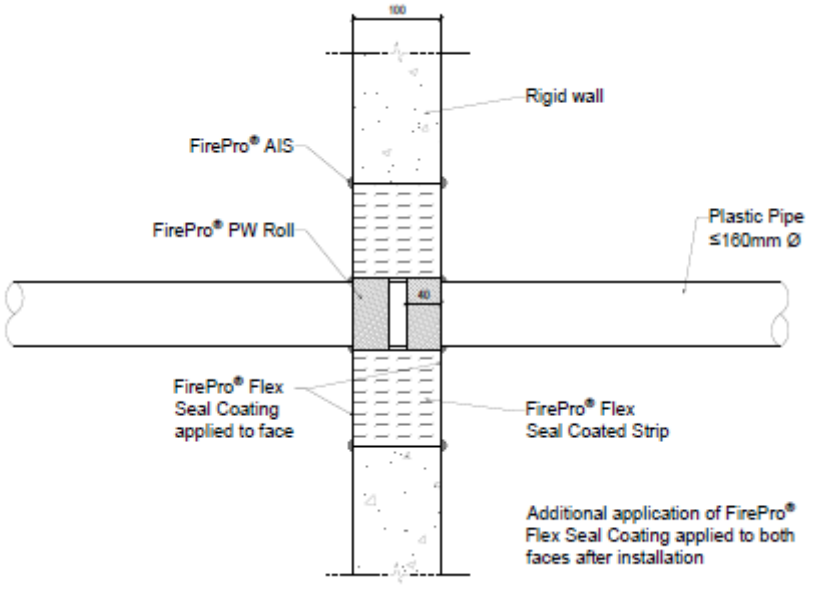
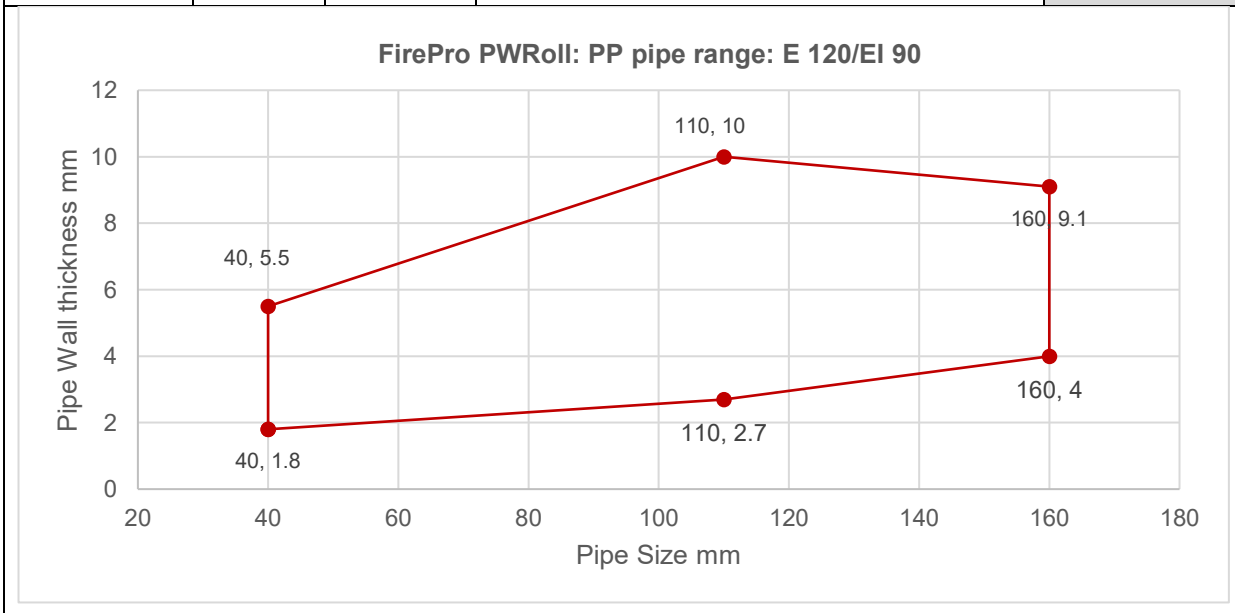
C.2.4 Plastic Pipe Penetrations – FirePro PWRoll



Pipe material	Pipe size (mm)	Pipe Wrap layers (2mm)	Service Protection	Classification
PP/PE/PVC	≤40	1	100 mm thick FirePro® Flex Seal Coated Strip, installed with 10mm compression across the width, fitted centrally within the aperture. All edges and butt joints sealed with FirePro ® AIS sealant. Additional layer of FirePro Flex Seal Coating applied after installation. FirePro® PWROLL wraps installed flush with each face of the seal, around the service.	**E 120 / EI 90 U/C**
	41-79	2		
	80-120	3		
	121-160	4		



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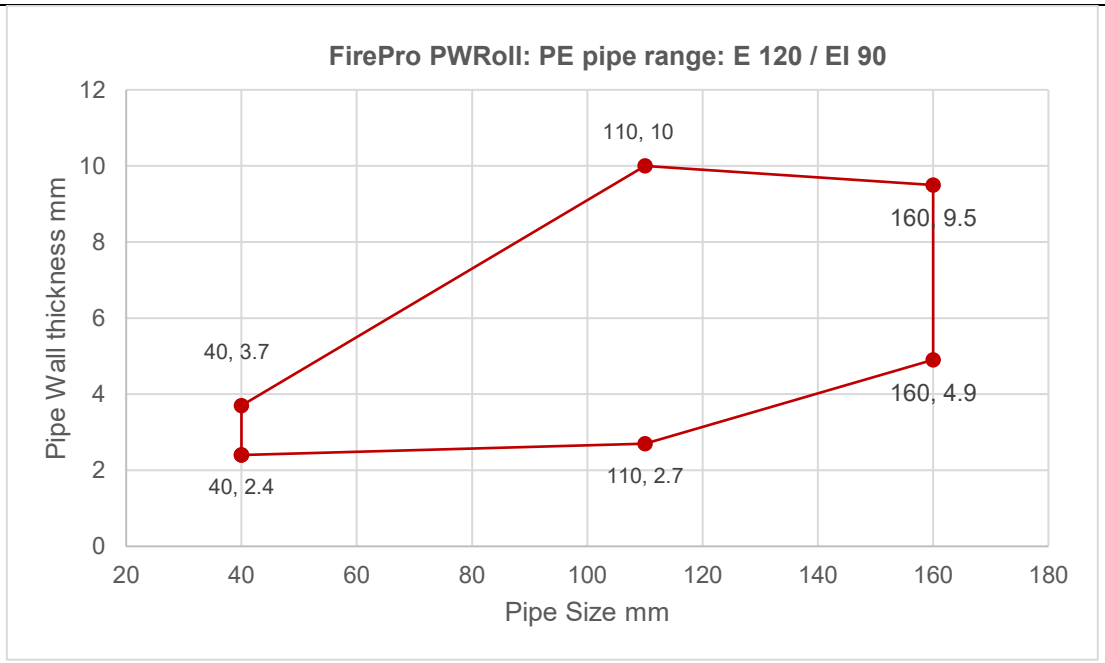

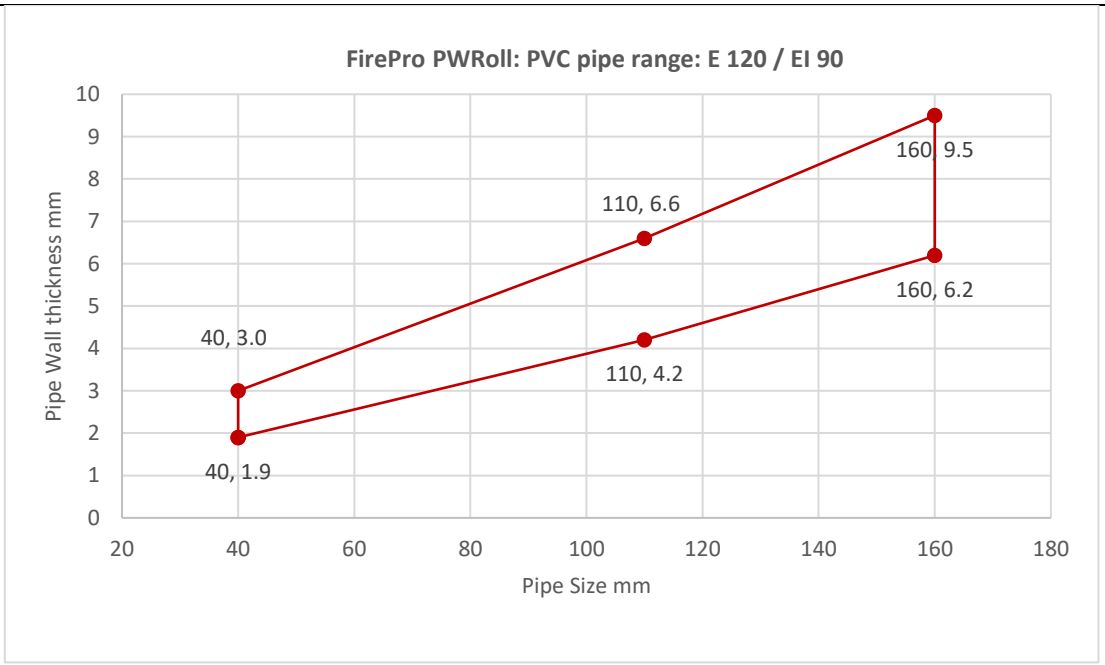

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The UL-EU Marks, displayed below represent the enhanced and alternate version of the product marking. Either Mark can be used. These Marks shall appear on certified products only. Minimum size is not specified, as long as the Mark is legible. The following is suggested.

*Note: E12345 is an example of the UL file number.

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 and UL File 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.

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