UL-EU CERTIFICATE

Certificate No.	UL-EU-01204-CPR
Page	1/11
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 – Pipe Wrap
Product Trade Name   FirePro Intumescent Pipewrap Roll
Trademark   N/A
Rating/Classification   See Appendix

Harmonised Technical Specifications   ETAG 026-2 / EN 13501-2 / EN 13501-1
Expiry date   2031-09-27

Authorized Certification Decision Maker
Chris Miles

Appendix UL-EU CERTIFICATE

This certificate relates to the use of FirePro Intumescent Pipewrap Roll for fire stopping where services penetrate floors and walls. The detailed scope is given in pages 3 to 10 of this Certificate. This shows the thickness and acceptable dimensions, substrates and orientations required to provide fire resistance periods of up to 240 minutes (EI 240).

The product is certified 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
iii) Classification in accordance with EN 13501-2
iv) Classification in accordance with EN 13501-1
v) Durability and Servicability as defined in ETAG 026-2

The durability class of FirePro Intumescent Pipewrap Roll is X - intended for use in conditions exposed to weathering (includes all lower classes).

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Product-type: Pipe Wrap		Intended use: Penetration Seal
Basic requirement for construction work	Basic Requirement	Basic requirement for construction work
BWR 1 Mechanical resistance and stability		
-	None	-
BWR 2 Safety in case of fire		
EN 13501-1	Reaction to fire	Class E
EN 13501-2	Resistance to fire	See page 5
BWR 3 Hygiene, health and environment		
EN 1026:2000	Air permeability (material property)	No performance determined
ETAG 026-3, Annex C	Water permeability (material property)	No performance determined
Declaration of manufacturer	Release of dangerous substances	Use category IA1, S/W3 Declaration of manufacturer
BWR 4 Safety in use		
EOTA TR 001:2003	Mechanical resistance and stability	No performance determined
EOTA TR 001:2003	Resistance to impact/movement	No performance determined
EOTA TR 001:2003 ISO 11600	Adhesion	No performance determined
BWR 5 Protection against noise		
EN 10140-2/ EN ISO 717-1	Airborne sound insulation	No performance determined
EN 10140-3/ EN ISO 717-2	Impact sound insulation	No performance determined
BWR 6 Energy economy and heat retention		
EN 12664, EN 12667 or EN 12939	Thermal properties	No performance determined
EN ISO 12572 EN 12086	Water vapour permeability	No performance determined
General aspects relating to fitness for use		
ISO 8339: 2005, ISO 9046: 2004 & ISO 7389: 2003	Durability and serviceability	X
BWR 7 Sustainable use of natural resources		
-	-	No performance determined

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Substrate	Minimum Substrate Thickness (mm)	Annular gap seal of FirePro Acoustic Intumescent Sealant (mm)	Wrap Position	Inlay W X T (mm)	Reference	Pipe	Fire Resistance (mins.)*	
							E	EI
Concrete floor	150	4 (to both faces of floor)	Both sides	40 x 4 (2 x 2 mm layers) #	32 mm FirePro Intumescent Pipewrap Roll	32 mm Ø PVC with 1.8mm wall thickness	120	120
					40 mm FirePro Intumescent Pipewrap Roll	40 mm Ø PVC with 1.8mm wall thickness		
					50 mm FirePro Intumescent Pipewrap Roll	50 mm Ø PVC with 1.8mm wall thickness		
		12 (to both faces of floor)		40 x 10 (5 x 2 mm layers) #	200 mm FirePro Intumescent Pipewrap Roll	200mm Ø PVC with 7.7mm wall thickness	120	90
					200 mm FirePro Intumescent Pipewrap Roll	200mm Ø PVC with 9.6mm wall thickness	60	60

Plastic Pipes PVC according to EN 1452, U/C, floor ≥ 150 mm - EI 60

Plastic Pipes PVC according to EN 1452, U/C, floor ≥ 150 mm - E 120, EI 90

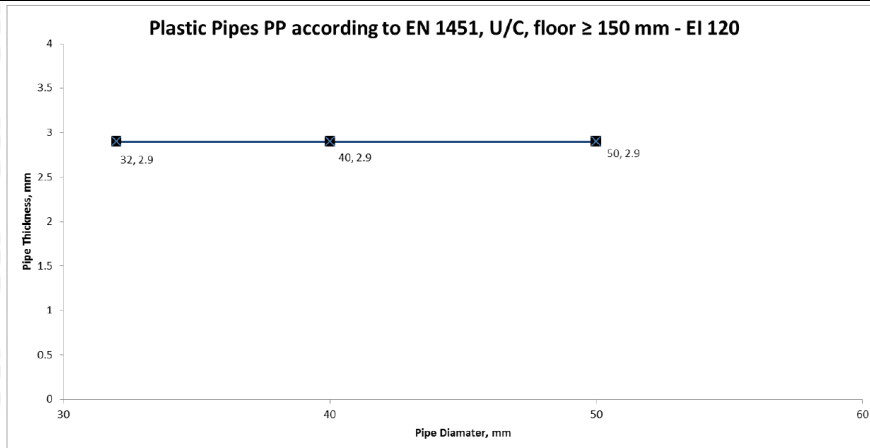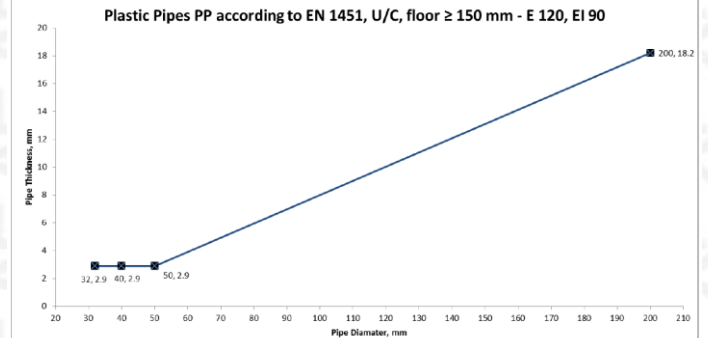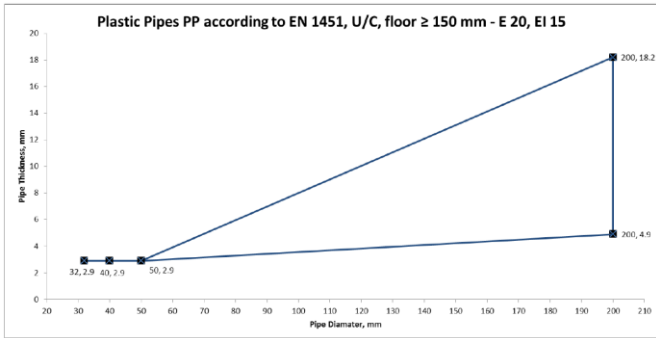Plastic Pipes PVC according to EN 1452, U/C, floor ≥ 150 mm - EI 120

* Uncapped/Capped (U/C)

\# Further details relating to specific intumescent thicknesses are included in Annex A

Appendix UL-EU CERTIFICATE

Substrate	Minimum Substrate Thickness (mm)	Annular gap seal of FirePro Acoustic Intumescent Sealant (mm)	Wrap Position	Inlay W X T (mm)	Reference	Pipe	Fire Resistance (mins.)*	
							E	EI
Concrete floor	150	4 (to both faces of floor)	Both sides	40 x 4 (2 x 2 mm layers) #	32 mm FirePro Intumescent Pipewrap Roll	32 mm Ø PP with 2.9mm wall thickness	120	120
					40 mm FirePro Intumescent Pipewrap Roll	40 mm Ø PP with 2.9mm wall thickness		
					50 mm FirePro Intumescent Pipewrap Roll	50 mm Ø PP with 2.9mm wall thickness		
		12 (to both faces of floor)		40 x 10 (5 x 2 mm layers) #	200 mm FirePro Intumescent Pipewrap Roll	200mm Ø PP with 4.9mm wall thickness	20	15
					200 mm FirePro Intumescent Pipewrap Roll	200mm Ø PP with 18.2mm wall thickness	120	90

Plastic Pipes PP according to EN 1451, U/C, floor ≥ 150 mm - E 20, EI 15

Plastic Pipes PP according to EN 1451, U/C, floor ≥ 150 mm - E 120, EI 90

Plastic Pipes PP according to EN 1451, U/C, floor ≥ 150 mm - EI 120

* Uncapped/Capped (U/C)

Further details relating to specific intumescent thicknesses are included in Annex A

Appendix UL-EU CERTIFICATE
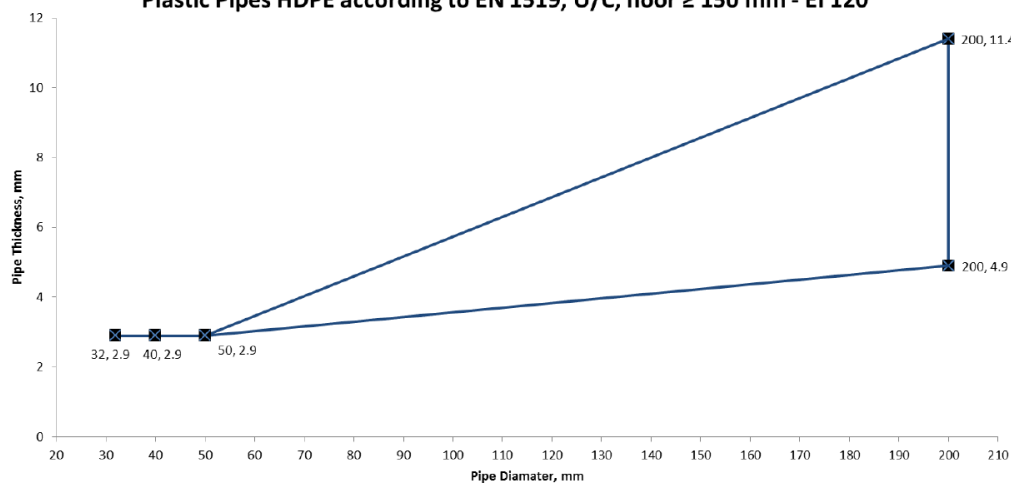
Substrate	Minimum Substrate Thickness (mm)	Annular gap seal of FirePro Acoustic Intumescent Sealant (mm)	Wrap Position	Inlay W X T (mm)	Reference	Pipe	Fire Resistance (mins.)*	
							E	EI
Concrete floor	150	4 (to both faces of floor)	Both sides	40 x 4 (2 x 2 mm layers) #	32 mm FirePro Intumescent Pipewrap Roll	32 mm Ø HDPE with 2.9mm wall thickness	120	120
					40 mm FirePro Intumescent Pipewrap Roll	40 mm Ø HDPE with 2.9mm wall thickness		
					50 mm FirePro Intumescent Pipewrap Roll	50 mm Ø HDPE with 2.9mm wall thickness		
		12 (to both faces of floor)		40 x 10 (5 x 2 mm layers) #	200 mm FirePro Intumescent Pipewrap Roll	200mm Ø HDPE with 4.9mm wall thickness		
					200 mm FirePro Intumescent Pipewrap Roll	200mm Ø HDPE with 11.4mm wall thickness		

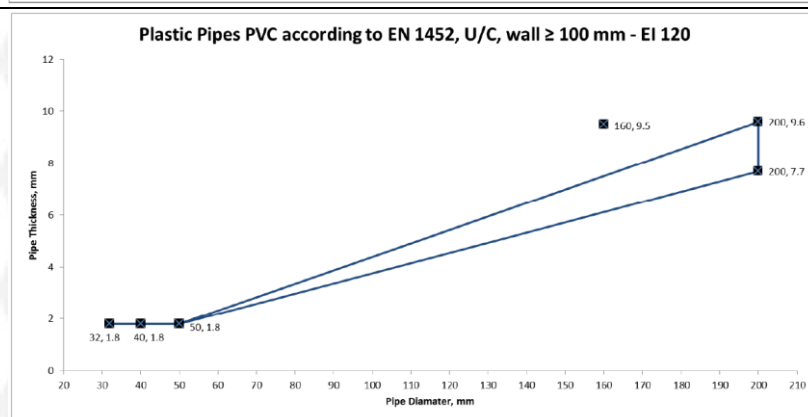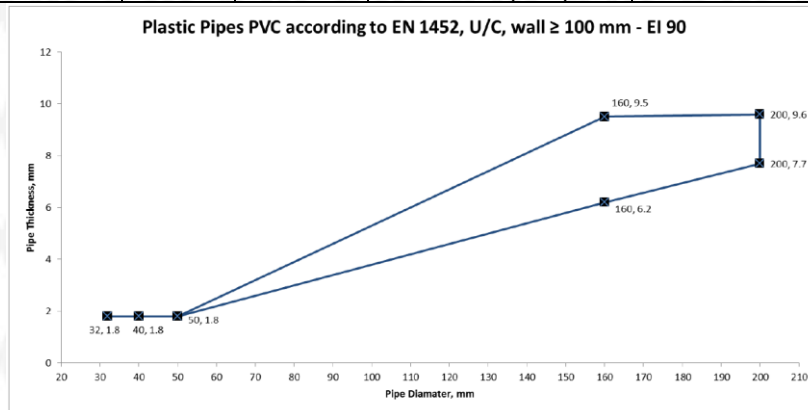Plastic Pipes HDPE according to EN 1519, U/C, floor ≥ 150 mm - EI 120

* Uncapped/Capped (U/C)

\# Further details relating to specific intumescent thicknesses are included in Annex A

Appendix UL-EU CERTIFICATE

Substrate	Minimum Substrate Thickness (mm)	Annular gap seal of FirePro Acoustic Intumescent Sealant (mm)	Wrap Position	Inlay W X T (mm)	Reference	Pipe	Fire Resistance (mins.)*	
							E	EI
Flexible/ Concrete/ Masonry wall	100	4 (to both faces of floor)	Both sides	40 x 2 (1 x 2 mm layer) #	32 mm FirePro Intumescent Pipewrap Roll	32 mm Ø PVC with 1.8mm wall thickness	120	120
					40 mm FirePro Intumescent Pipewrap Roll	40 mm Ø PVC with 1.8mm wall thickness		
					50 mm FirePro Intumescent Pipewrap Roll	50 mm Ø PVC with 1.8mm wall thickness		
		10 (to both faces of floor)		40 x 8 (4 x 2 mm layer) #	160 mm FirePro Intumescent Pipewrap Roll	160mm Ø PVC with 6.2mm wall thickness	90	90
					160 mm FirePro Intumescent Pipewrap Roll	160mm Ø PVC with 9.5mm wall thickness		
		12 (to both faces of floor)		40 x 10 (5 x 2 mm layer) #	200 mm FirePro Intumescent Pipewrap Roll	200mm Ø PVC with 7.7mm wall thickness	120	120
					200 mm FirePro Intumescent Pipewrap Roll	200mm Ø PVC with 9.6mm wall thickness		

Plastic Pipes PVC according to EN 1452, U/C, wall ≥ 100 mm - EI 90

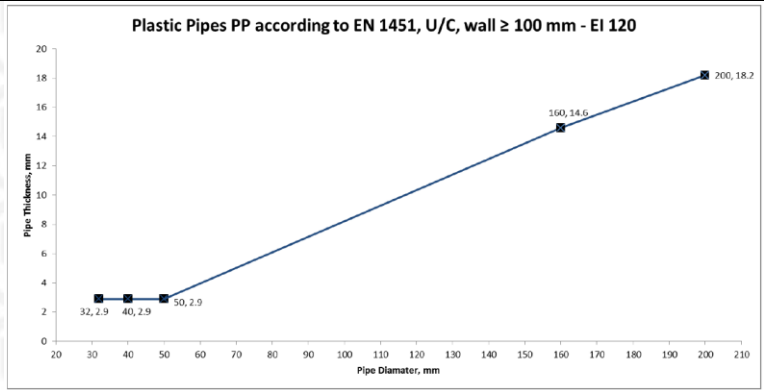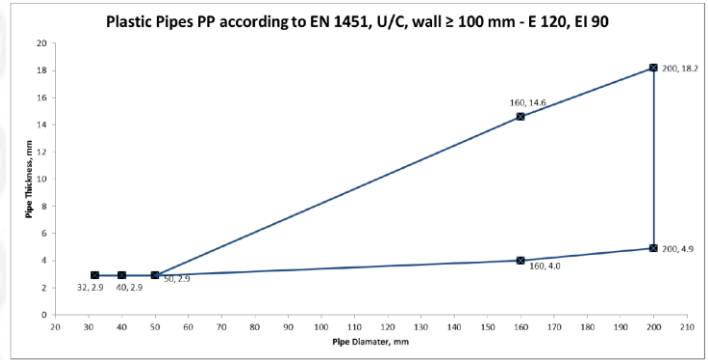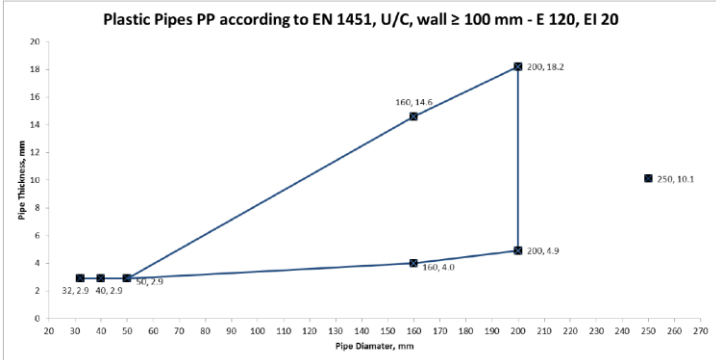Plastic Pipes PVC according to EN 1452, U/C, wall ≥ 100 mm - EI 120

* Uncapped/Capped (U/C)

\# Further details relating to specific intumescent thicknesses are included in Annex A

Appendix UL-EU CERTIFICATE

Substrate	Minimum Substrate Thickness (mm)	Annular gap seal of FirePro Acoustic Intumescent Sealant (mm)	Wrap Position	Inlay W X T (mm)	Reference	Pipe	Fire Resistance (mins.)*	
							E	EI
Flexible/ Concrete/ Masonry wall	100	4 (to both faces of floor)	Both sides	40 x 2 (1 x 2 mm layer) #	32 mm FirePro Intumescent Pipewrap Roll	32 mm Ø PP with 2.9mm wall thickness	120	120
					40 mm FirePro Intumescent Pipewrap Roll	40 mm Ø PP with 2.9mm wall thickness		
					50 mm FirePro Intumescent Pipewrap Roll	50 mm Ø PP with 2.9mm wall thickness		
		10 (to both faces of floor)		40 x 8 (4 x 2 mm layer) #	160 mm FirePro Intumescent Pipewrap Roll	160mm Ø PP with 4.0mm wall thickness	120	90
					160 mm FirePro Intumescent Pipewrap Roll	160mm Ø PP with 14.6mm wall thickness	120	120
		12 (to both faces of floor)		40 x 10 (5 x 2 mm layer) #	200 mm FirePro Intumescent Pipewrap Roll	200mm Ø PP with 4.9mm wall thickness	120	90
					200 mm FirePro Intumescent Pipewrap Roll	200mm Ø PP with 18.2mm wall thickness	120	120
		14 (to both faces of floor)		40 x 12 (6 x 2 mm layer) #	250 mm FirePro Intumescent Pipewrap Roll	250mm Ø PP with 10.1mm wall thickness	120	20

Plastic Pipes PP according to EN 1451, U/C, wall ≥ 100 mm - E 120, EI 20

Plastic Pipes PP according to EN 1451, U/C, wall ≥ 100 mm - E 120, EI 90

Plastic Pipes PP according to EN 1451, U/C, wall ≥ 100 mm - EI 120

* Uncapped/Capped (U/C)

Further details relating to specific intumescent thicknesses are included in Annex A

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Substrate	Minimum Substrate Thickness (mm)	Annular gap seal of FirePro Acoustic Intumescent Sealant (mm)	Wrap Position	Inlay W X T (mm)	Reference	Pipe	Fire Resistance (mins.)*	
							E	EI
Flexible/ Concrete/ Masonry wall	100	4 (to both faces of floor)	Both sides	40 x 2 (1 x 2 mm layer) #	32 mm FirePro Intumescent Pipewrap Roll	32 mm Ø HDPE with 2.9mm wall thickness	120	120
					40 mm FirePro Intumescent Pipewrap Roll	40 mm Ø HDPE with 2.9mm wall thickness		
					50 mm FirePro Intumescent Pipewrap Roll	50 mm Ø HDPE with 2.9mm wall thickness		
		10 (to both faces of floor)		40 x 8 (4 x 2 mm layer) #	160 mm FirePro Intumescent Pipewrap Roll	160mm Ø HDPE with 4.9mm wall thickness	15	15
					160 mm FirePro Intumescent Pipewrap Roll	160mm Ø HDPE with 9.5mm wall thickness	90	90
		12 (to both faces of floor)		40 x 10 (5 x 2 mm layer) #	200 mm FirePro Intumescent Pipewrap Roll	200mm Ø HDPE with 4.9mm wall thickness	15	15
					200 mm FirePro Intumescent Pipewrap Roll	200mm Ø HDPE with 18.4mm wall thickness	120	120

Plastic Pipes PE according to EN ISO 15494, U/C, wall ≥ 100mm - EI 15
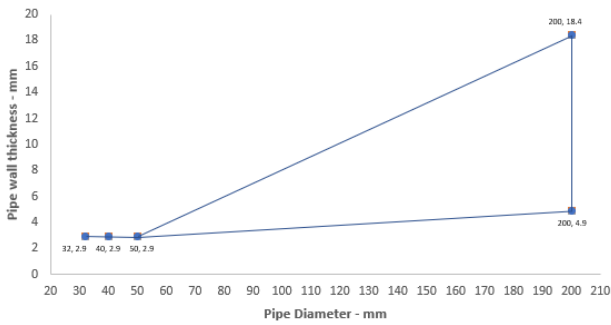
Plastic Pipes PE according to EN ISO 15494, U/C, wall ≥ 100 mm - EI 90

Plastic Pipes PE according to EN ISO 15494, U/C, wall ≥ 100 mm - EI 120

* Uncapped/Capped (U/C)

\# Further details relating to specific intumescent thicknesses are included in Annex A
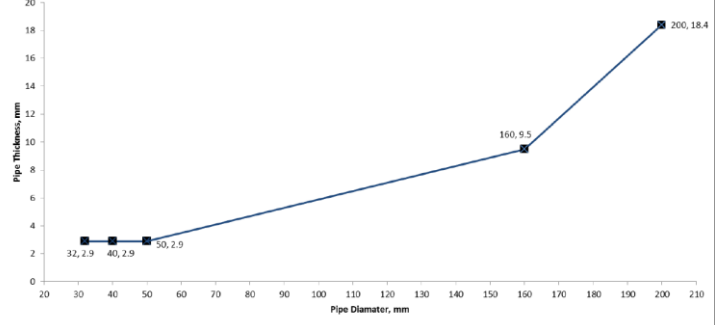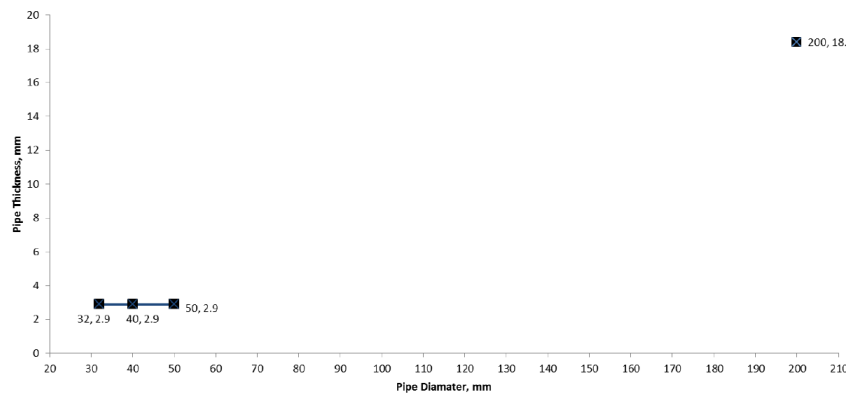
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Annex A

Resistance to Fire Classification of FirePro Intumescent Pipewrap Roll

For use in wall applications: The permitted thickness of the intumescent material for various ranges of pipe diameters:

Intumescent Thickness	
Pipe Diameter	**Intumescent Material**
Ø32 mm – Ø 50 mm	1 off 40 mm (W) x 2 (T)
Ø51 mm – Ø 82 mm	2 off 40 mm (W) x 2 (T)
Ø83 mm – Ø 115 mm	3 off 40 mm (W) x 2 (T)
Ø116 mm – Ø 160 mm	4 off 40 mm (W) x 2 (T)
Ø161 mm – Ø 200 mm	5 off 40 mm (W) x 2 (T)
Ø201 mm – Ø 250 mm	6 off 40 mm (W) x 2 (T)

For use in floor applications: The permitted thickness of the intumescent material for various ranges of pipe diameters:

Intumescent Thickness	
Pipe Diameter	**Intumescent Material**
Ø32 mm – Ø 50 mm	2 off 40 mm (W) x 2 (T)
Ø51 mm – Ø 82 mm	2 off 40 mm (W) x 2 (T)
Ø83 mm – Ø 115 mm	3 off 40 mm (W) x 2 (T)
Ø116 mm – Ø 160 mm	4 off 40 mm (W) x 2 (T)
Ø161 mm – Ø 200 mm	5 off 40 mm (W) x 2 (T)
Ø201 mm – Ø 250 mm	6 off 40 mm (W) x 2 (T)

Appendix UL-EU Certificate

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.