UL-EU CERTIFICATE

Certificate No. Page Date of Issue UL-EU-01023-CPR 1/10 2016-05-27

Certificate Holder

FSi Ltd Westminster Industrial Estate Tamworth Rd Measham DE12 7DS United Kingdom

Manufacturer

Certified Product Type Product Trade Name Trademark Rating/Classification Fire Stop – Pipe Wrap PipeBloc EL N/A See Appendix

A/008

Harmonised Technical Specifications Supporting Documentation

> Additional information Expiry date

ETAG 026-2 / EN 13501-2 / EN 13501-1 ETA 15/0491, EC – CERTIFICATE OF CONSTANCY OF PERFORMANCE - 1121 – CPR – JA5082 N/A 2026-05-26

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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.



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This certificate relates to the use of PipeBloc EL for fire stopping where services penetrate floors and walls. The detailed scope is given in pages 3 to 5 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 certificated on the basis of:

- i) ETA 15/0491
- ii) EC CERTIFICATE OF CONSTANCY OF PERFORMANCE 1121 CPR JA5082
- ii) Inspection and surveillance of factory production control by UL
- iii) Fire resistance test data in accordance with 1366-3: 2009
- iv) Classification in accordance with EN 13501-2
- v) Classification in accordance with EN 13501-1
- vi) Durability and Servicability as defined in ETAG 026-2

The durability class of PipeBloc EL is X - intended for use in conditions exposed to weathering (includes all lower classes).

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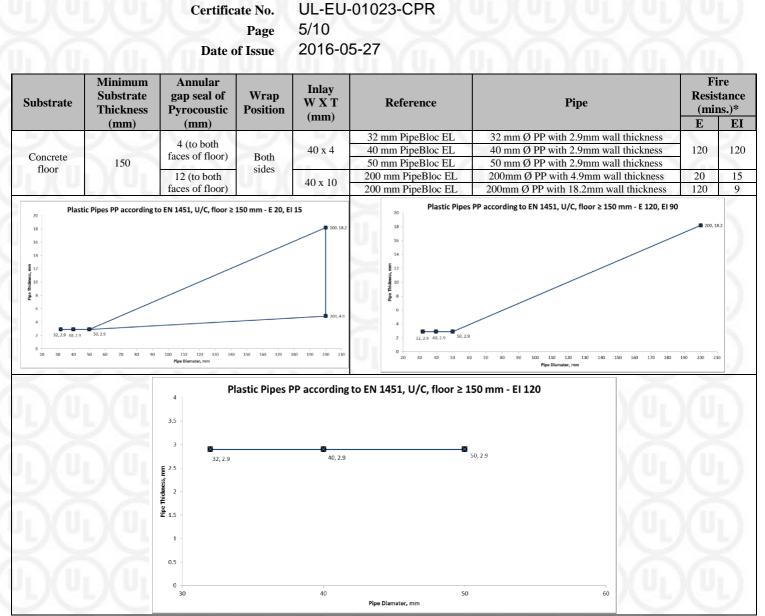
Product-type: Pipe Wrap	Intended use: Pene	tration Seal	
Basic requirement for construction work	Basic Requirement	Basic requirement for construction work	
YU YU YU	3WR 1 Mechanical resistance and stabili	ty	
	None		
	BWR 2 Safety in case of fire		
EN 13501-1	Reaction to fire	Class E	
EN 13501-2	Resistance to fire	See page 5	
$(U_1)(U_1)(U_1)$	BWR 3 Hygiene, health and environmen	t	
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 manufacture	
YU: YU: YU	BWR 4 Safety in use	A ULYULYI	
EOTA TR 001:2003	Mechanical resistance and stability	No performance determine	
EOTA TR 001:2003	Resistance to impact/movement	No performance determine	
EOTA TR 001:2003 ISO 11600	Adhesion	No performance determine	
YUNUNU	BWR 5 Protection against noise		
EN 10140-2/ EN ISO 717-1	Airborne sound insulation	No performance determine	
EN 10140-3/ EN ISO 717-2	Impact sound insulation	No performance determine	
八八八	SWR 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 determine	
ለባለባለ	General aspects relating to fitness for use	e	
ISO 8339: 2005, ISO 9046: 2004 & ISO 7389: 2003	Durability and serviceability	X	
	WR 7 Sustainable use of natural resource	ces	
		No performance determined	



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Substrate	Minimum Substrate Thickness	Annular gap seal of Pyrocoustic	Wrap Position	Inlay W X T (mm)	Reference	Ріре	Fi Resis (mir	tance 1s.)*
	(mm)	(mm)		(mm)			E	EI
Concrete		4 (to both faces of floor)	Both	40 x 4	32 mm PipeBloc EL 40 mm PipeBloc EL	32 mm Ø PVC with 1.8mm wall thickness 40 mm Ø PVC with 1.8mm wall thickness	120	120
floor	150	12 (to both faces of floor)	sides	40 x 10	50 mm PipeBloc EL 200 mm PipeBloc EL 200 mm PipeBloc EL	50 mm Ø PVC with 1.8mm wall thickness 200mm Ø PVC with 7.7mm wall thickness 200mm Ø PVC with 7.7mm wall thickness	120 60	90 60
10 - 8 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9				2 200, 9.6 2 200, 7.7	7		200,77	
0 20 30 40	50, 1.8 50 60 70 80 90	100 130 120 130 140 Pipe Diamater, mm	150 160 170 1	80 190 200 210	32,18 40,18 50,12 1 20 30 40 50 6	0 70 80 90 100 110 120 130 140 150 150 170 180 1 Pfjø Diamuter, mm	90 200 210	
	50,18	Ppe Danats; mm	150 160 170 1		g to EN 1452, U/C, floor ≥ 150	0 70 80 90 100 119 120 130 140 150 160 170 180 1 Mpe Diamates.mm	20 210	

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* Uncapped/Capped (U/C)



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Substrate	Minimum Substrate Thickness (mm)	Annular gap seal of Pyrocoustic (mm)	Wrap Position	Inlay W X T (mm)	Reference	Pipe	Resis	ire tance ns.)* EI
5 / N. T	(11111)		1.	1.15.7.1	32 mm PipeBloc EL	32 mm Ø HDPE with 2.9mm wall thickness	Ľ	ĽI
		4 (to both	<u> </u>	40 x 4	40 mm PipeBloc EL	40 mm Ø HDPE with 2.9mm wall thickness		
Concrete	150	faces of floor)	Both		50 mm PipeBloc EL	50 mm Ø HDPE with 2.9mm wall thickness	100	100
floor	150	12 (to both faces of floor)	sides		200 mm PipeBloc EL	200mm Ø HDPE with 4.9mm wall thickness	120	120
				40 x 10	200 mm PipeBloc EL	200mm Ø HDPE with 11.4mm wall thickness	2	-/
	12	Plastic	Pipes HDP	E according	g to EN 1519, U/C, floor			
	10	-				200, 11.4		

* Uncapped/Capped (U/C)

Pipe Thickness, mm

4

2

0 20 30 40

32, 2.9 40, 2.9

50, 2.9

50 60 70 80

90

100 110 120 130

Pipe Diamater, mm

140 150

170

160

190 200 210

180



200, 4.9

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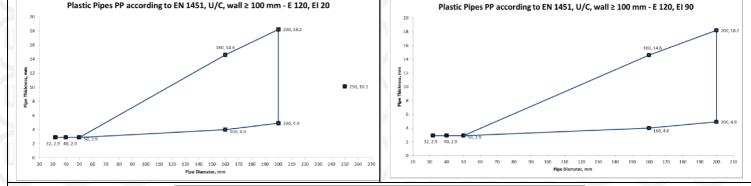
Substrate Minimum Substrate Thickness		te gap seal of	Wrap Position	Inlay W X T	Reference	Pipe		ire stance ns.)*
	(mm)	(mm)		(mm)			Е	EI
-	-/	1 (to both		S	32 mm PipeBloc EL	32 mm Ø PVC with 1.8mm wall thickness		
Flexible/		4 (to both faces of floor)		40 x 2	40 mm PipeBloc EL	40 mm Ø PVC with 1.8mm wall thickness	120	120
Concrete/		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Both		50 mm PipeBloc EL	50 mm Ø PVC with 1.8mm wall thickness	1.	
Masonry	100	10 (to both	sides	40 x 8	160 mm PipeBloc EL	160mm Ø PVC with 6.2mm wall thickness	90	90
wall	LA~L	faces of floor)	sides	40 X 8	160 mm PipeBloc EL	160mm Ø PVC with 9.5mm wall thickness		
wall		12 (to both		40 x 10	200 mm PipeBloc EL	200mm Ø PVC with 7.7mm wall thickness	120	120
~ ~		faces of floor)		40 X 10	200 mm PipeBloc EL	200mm Ø PVC with 9.6mm wall thickness		
		e Hicknes				160,6.2		
<u>ו)</u> פו ו)פו		2 - 2 - 32, 1.8 0 - 20 30	2 40, 1.8 40 50 60	70 80 90	100 110 120 130 140 150 Pipe Diamater, mm	160 170 180 190 200 210)(U	
		4 2 32, 1.8 0 20 30 10 - 8 4 - 2 2 2 2 2 2 2 2 2 30	40, 1.8			160 170 180 190 200 210		

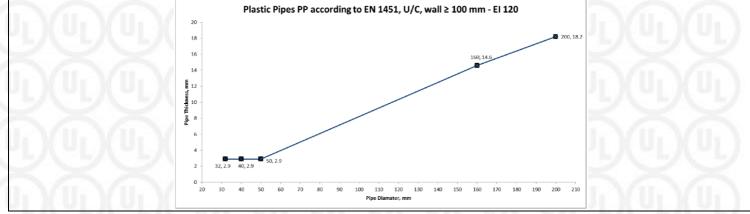
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Substrate	Minimum Substrate Thickness	gap seal of	Wrap Position	Inlay W X T (mm)	Pipe	Fire Resistance (mins.)*		
	(mm)	(mm)					E	EI
		1 (4 - h - 4h			32 mm PipeBloc EL	32 mm Ø PP with 2.9mm wall thickness	120	- J.
		10 (to both		Both ides 40×2 40×8 40×10	40 mm PipeBloc EL	40 mm Ø PP with 2.9mm wall thickness		120
F1 111/			Deth		50 mm PipeBloc EL	50 mm Ø PP with 2.9mm wall thickness		
Flexible/					160 mm PipeBloc EL	160mm Ø PP with 4.0mm wall thickness	120	90
Concrete/ Masonry	100	faces of floor)	sides		160 mm PipeBloc EL	160mm Ø PP with 14.6mm wall thickness	120	120
wall	5	12 (to both			200 mm PipeBloc EL	200mm Ø PP with 4.9mm wall thickness	120	90
wall		faces of floor)			200 mm PipeBloc EL	200mm Ø PP with 18.2mm wall thickness	120	120
		14 (to both faces of floor)	Ur Y	40 x 12	250 mm PipeBloc EL	250mm Ø PP with 10.1mm wall thickness	120	20



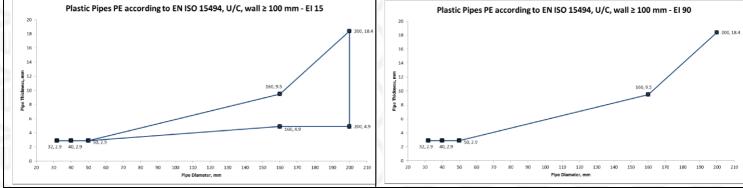


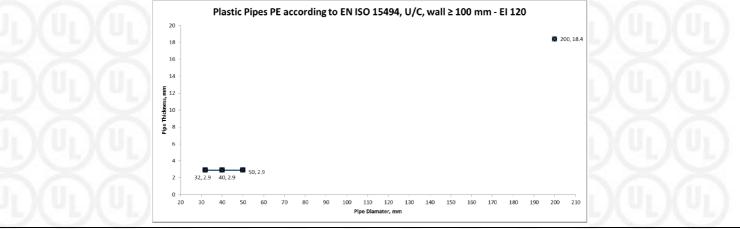
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Substrate	Minimum Substrate Thickness	gap seal of	Wrap Position	on WAT	Reference	Ріре	Fire Resistance (mins.)*	
	(mm)	(mm)		(mm)			E	EI
		A (4 - 1 - 4)			32 mm PipeBloc EL	32 mm Ø HDPE with 2.9mm wall thickness		
		4 (to both faces of floor)		40 x 2	40 mm PipeBloc EL	40 mm Ø HDPE with 2.9mm wall thickness	120	120
Eleccible /		faces of floor)		1	50 mm PipeBloc EL	50 mm Ø HDPE with 2.9mm wall thickness	1	
Flexible/ Concrete/	100	10 (to both faces of floor) 12 (to both	Both sides	40 x 8	160 mm PipeBloc EL	160mm Ø HDPE with 4.9mm wall thickness	15	15
Masonry wall					160 mm PipeBloc EL	160mm Ø HDPE with 9.5mm wall thickness	90	90
wall					200 mm PipeBloc EL	200mm Ø HDPE with 4.9mm wall thickness	15	15
hΥU		faces of floor)	Ur Y	40 x 10	200 mm PipeBloc EL	200mm Ø HDPE with 18.4mm wall thickness	120	120





^{*} Uncapped/Capped (U/C)



Appendix UL-EU Certificate

Certification Mark Certificate No. Page Date of Issue UL-EU mark UL-EU-01023-CPR 10/10 2016-05-27

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 Certificate 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.

