UL-EU CERTIFICATE

Certificate No. UL-EU-01032-CPR

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Date of Issue 2016-11-10

Certificate Holder FISCHERWERKE GMBH & CO KG

Klaus-Fischer-Strasse 1 72178, Waldachtal Deutschland

Manufacturer A/009

Certified Product Type Fire Stop – Pipe Wrap

Product Trade Name Fischer FiPW E Endless Pipe Wrap

Trademark N/A

Rating/Classification See Appendix

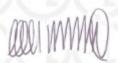
Harmonised Technical Specifications ETAG 026-2 / EN 13501-2 / EN 13501-1

Supporting Documentation ETA 15/0694, EC – CERTIFICATE OF CONSTANCY OF

PERFORMANCE - 1121 - CPR - JA5092

Additional information N/A

Expiry date 2026-11-09



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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.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 Fischer FiPW E Endless Pipe Wrap for fire stopping where services penetrate floors and walls. The detailed scope is given in pages 3 to 9 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 15/0694
- ii) EC CERTIFICATE OF CONSTANCY OF PERFORMANCE 1121 CPR JA5092
- 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 Fischer FiPW E Endless Pipe Wrap 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
YUi YUi YU	BWR 1 Mechanical resistance and stabili	ty
	None	
Mil. Mil. Mil.	BWR 2 Safety in case of fire	Mir.Mir.Mi
EN 13501-1	Reaction to fire	Class E
EN 13501-2	Resistance to fire	See page 5
)(U1)(U1)(U1	BWR 3 Hygiene, health and environmen	t)(U
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
YU: YU: YU	BWR 4 Safety in use	- Y U - Y U - Y U
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
Y U I Y U I Y U	BWR 5 Protection against noise	DY ULLY ULLY U
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
人。人人人人	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
人でしんでしんり	General aspects relating to fitness for use	e
ISO 8339: 2005, ISO 9046: 2004 & ISO 7389: 2003	Durability and serviceability	X
В	WR 7 Sustainable use of natural resource	ees
		No performance determined



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Substrate Substra	Minimum Substrate	Substrate Fischer Wrap		Inlay	D. Common	75.	Fire Resistance (mins.)*	
Substrate	Thickness (mm)		Position	WXT (mm)	Reference	Pipe	E	E
火		4 (to both faces of floor)	Y	40 x 4	32 mm Fischer FiPW E Endless Pipe Wrap 40 mm Fischer FiPW E Endless Pipe Wrap	32 mm Ø PVC with 1.8mm wall thickness 40 mm Ø PVC with 1.8mm wall thickness	120	12
Concrete floor 150	150	$\chi(u_1)($	Both sides	$U_L \chi$	50 mm Fischer FiPW E Endless Pipe Wrap	50 mm Ø PVC with 1.8mm wall thickness	(U	
	$\langle \rangle$	12 (to both faces of floor)	\times	40 x 10	200 mm Fischer FiPW E Endless Pipe Wrap 200 mm Fischer FiPW E	200mm Ø PVC with 7.7mm wall thickness	120	90
- MII	-WH	races of floor)	$\Pi_{\tau} M$		Endless Pipe Wrap	200mm Ø PVC with 7.7mm wall thickness	60	60
2 - 32,1.8 40,1.8	50,18				3 2 32,1.8 40,1.8 50,1.8			
20 30 40	50 60 70 80 9	0 100 110 120 130 140 Pipe Diamater, mm	150 160 170 18	80 190 200 210	20 30 40 50 66	0 70 80 90 100 110 120 130 140 150 160 170 180 1 Pipe Diamater, mm	190 200 210	3
20 30 40	50 60 70 80 9	Pipe Diamater, mm	Plastic Pipes		ng to EN 1452, U/C, floor ≥ 150	Pipe Diamater, mm	190 200 210	<u> </u>
20 30 40	50 60 70 80 9				ng to EN 1452, U/C, floor ≥ 150	Pipe Diamyter, mm	99 200 210	

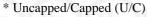




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Su	Minimum Substrate	Fischer	Wrap	Inlay			Fire Resistance (mins.)*	
Substrate	Thickness (mm)	FiAM Intumescent Acoustic Mastic (mm)	Position	WXT (mm)	Reference	Pipe	E	EI
	K			7	32 mm Fischer FiPW E Endless Pipe Wrap	32 mm Ø PP with 2.9mm wall thickness		
Concrete floor	Δm	4 (to both faces of floor)	II. V	40 x 4	40 mm Fischer FiPW E Endless Pipe Wrap	40 mm Ø PP with 2.9mm wall thickness	120	120
	150	V.FV	Both sides	Z PVV	50 mm Fischer FiPW E Endless Pipe Wrap	50 mm Ø PP with 2.9mm wall thickness	1	
		12 (to both		40 x 10	200 mm Fischer FiPW E Endless Pipe Wrap	200mm Ø PP with 4.9mm wall thickness	20	15
L)(U	ᇇ൛	faces of floor)	$^{\circ}$ L)(40 X 10	200 mm Fischer FiPW E Endless Pipe Wrap	200mm Ø PP with 18.2mm wall thickness	120	9
12 12 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	50,29	90 100 139 120 130 140 Pipe Diamater, mm) 150 160 170 1	200, 4:9 180 190 200 210	10 10 10 10 10 10 10 10 10 10 10 10 10 1	70 80 90 100 110 120 130 140 150 160 170 180 Pipe blumster, mm	190 200 2!	10
		P	lastic Pipes P	P according	to EN 1451, U/C, floor ≥ 15	50 mm - El 120		
		3.5 - 32, 2.9 EE 2.5 - 32, 2.9 E 2 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -		40, 2:9		0, 2.9		

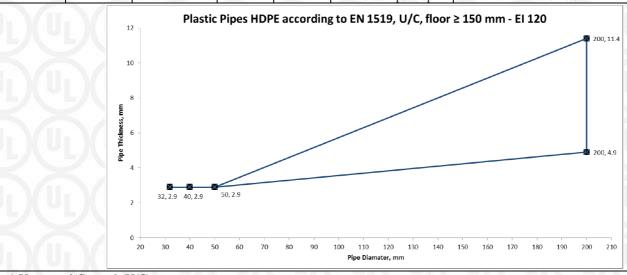




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Substrate Substrate Thickness (mm)		Annular gap seal of Fischer	Wrap	Inlay			Fire Resistance (mins.)*	
	FiAM Intumescent Acoustic Mastic (mm)	Position	W X T (mm)	Reference	Pipe	E	EI	
5/2	< /a>	4 (to both faces of floor)	Both sides	40 x 4	32 mm Fischer FiPW E Endless Pipe Wrap	32 mm Ø HDPE with 2.9mm wall thickness	120	
	L)(UL				40 mm Fischer FiPW E Endless Pipe Wrap	40 mm Ø HDPE with 2.9mm wall thickness		L)
Concrete floor	150				50 mm Fischer FiPW E Endless Pipe Wrap	50 mm Ø HDPE with 2.9mm wall thickness		120
i Yui	i Wu	12 (to both	Ur V	40 x 10	200 mm Fischer FiPW E Endless Pipe Wrap	200mm Ø HDPE with 4.9mm wall thickness		
シヘ		faces of floor)	5/		200 mm Fischer FiPW E Endless Pipe Wrap	200mm Ø HDPE with 11.4mm wall thickness		1



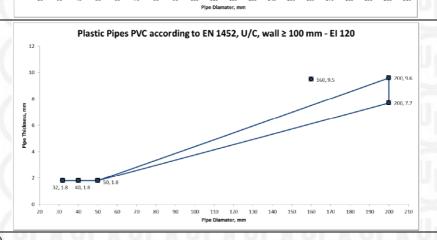
^{*} Uncapped/Capped (U/C)



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Substrate S	Minimum Substrate	Annular gap seal of Fischer	Wrap	Inlay			Resis	ire stance ns.)*
	Thickness (mm)	FiAM Intumescent Acoustic Mastic (mm)	Position	WXT (mm)	Reference	Pipe	E	EI
Ni Ni.	N/II.	Vii.V	11.V	11.77	32 mm Fischer FiPW E Endless Pipe Wrap	32 mm Ø PVC with 1.8mm wall thickness	1/11	
		4 (to both faces of floor)	J-PV	40 x 2	40 mm Fischer FiPW E Endless Pipe Wrap	40 mm Ø PVC with 1.8mm wall thickness	120	120
Flexible/					50 mm Fischer FiPW E Endless Pipe Wrap	50 mm Ø PVC with 1.8mm wall thickness	1	5
Concrete/ Masonry	100	100 10 (to both	aces of floor) 40 x 3	sides	160 mm Fischer FiPW E Endless Pipe Wrap	160mm Ø PVC with 6.2mm wall thickness	90	90
wall	$\langle \times \rangle$	faces of floor)		40 X 8	160 mm Fischer FiPW E Endless Pipe Wrap	160mm Ø PVC with 9.5mm wall thickness		120
	i)(Ui	12 (to both		10 10	200 mm Fischer FiPW E Endless Pipe Wrap	200mm Ø PVC with 7.7mm wall thickness	120	
		faces of floor)		40 X 10	200 mm Fischer FiPW E Endless Pipe Wrap	200mm Ø PVC with 9.6mm wall thickness		
· VII	- VIII	W	Plastic Pipe	es PVC accord	ling to EN 1452, U/C, wall ≥ 100) mm - El 90	VII	. `
		10 -				160,9.5		
		Pipe Thickness, mm				160,6.2		



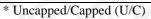
* Uncapped/Capped (U/C)



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	Minimum Substrate	strate Fischer	Wrap	Inlay			Fire Resistance (mins.)*	
Substrate	Thickness (mm)	FiAM Intumescent Acoustic Mastic (mm)	Position	WXT (mm)	Reference	Pipe	E	EI
	70				32 mm Fischer FiPW E Endless Pipe Wrap	32 mm Ø PP with 2.9mm wall thickness		
Flexible/ Concrete/ Masonry wall	Mill	4 (to both faces of floor)	11. \/	40 x 2	40 mm Fischer FiPW E Endless Pipe Wrap	40 mm Ø PP with 2.9mm wall thickness	120	120
	1	ノイアノ	7-1-7	אלה	50 mm Fischer FiPW E Endless Pipe Wrap	50 mm Ø PP with 2.9mm wall thickness	1	
	10 (to both	Both sides	40 x 8	160 mm Fischer FiPW E Endless Pipe Wrap	160mm Ø PP with 4.0mm wall thickness	120	90	
	faces of floor)	$U_L \chi$	40 X 8	160 mm Fischer FiPW E Endless Pipe Wrap	160mm Ø PP with 14.6mm wall thickness	120	120	
	12 (to both	\sim	10 10	200 mm Fischer FiPW E Endless Pipe Wrap	200mm Ø PP with 4.9mm wall thickness	120	90	
	i.)(Ui	faces of floor)	U ₁ Y	40 x 10	200 mm Fischer FiPW E Endless Pipe Wrap	200mm Ø PP with 18.2mm wall thickness	120	120
		14 (to both faces of floor)	ران ا	40 x 12	250 mm Fischer FiPW E Endless Pipe Wrap	250mm Ø PP with 10.1mm wall thickness	120	20
16 14 12 17 18 18 18 18 18 18 18	29 dd,79 50 60 70 80 90 10	160,146		■ 250,10.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	160,146 300,29 50 60 70 80 90 100 110 120 130 140 150 160 170 18	0 190 200	210
		20 July 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Plasti	c Pipes PP accord	ding to EN 1451, U/C, wall ≥ 100 mm -	El 120		
		۸ul.	32, 2.9 40, 2.9	60 70 80	90 100 110 120 130 140 150 160 Pipe Diamater, mm	170 180 190 200 210		

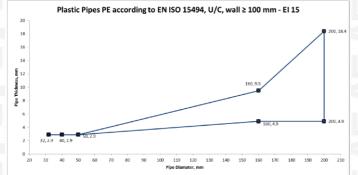


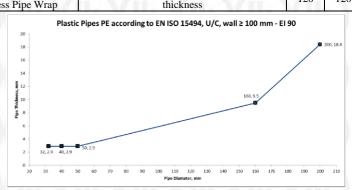


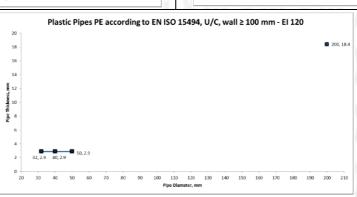
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Substrate Substrate Thickness (mm)		Hischer		Inlay			Fire Resistance (mins.)*	
	FiAM Intumescent Acoustic Mastic (mm)	Position W X T (mm)	Reference	Pipe	E	EI		
LXU	L)(UI	$\mathcal{N}^{UL}\mathcal{N}$	U-7/U	40 x 2	32 mm Fischer FiPW E Endless Pipe Wrap	32 mm Ø HDPE with 2.9mm wall thickness	120	
	$\langle \; \succ \;$	4 (to both faces of floor)			40 mm Fischer FiPW E Endless Pipe Wrap	40 mm Ø HDPE with 2.9mm wall thickness		120
Flexible/	i Y Ui	YU_1Y			50 mm Fischer FiPW E Endless Pipe Wrap	50 mm Ø HDPE with 2.9mm wall thickness		
Concrete/ Masonry	100	10 (to both faces of floor)	Both sides		160 mm Fischer FiPW E Endless Pipe Wrap	160mm Ø HDPE with 4.9mm wall thickness	15	15
wall	Mili		III-V		40 X 8	160 mm Fischer FiPW E Endless Pipe Wrap	160mm Ø HDPE with 9.5mm wall thickness	90
ハベハ	7C	12 (to both	J-J-V	40 10	200 mm Fischer FiPW E Endless Pipe Wrap	200mm Ø HDPE with 4.9mm wall thickness	15	15
	V/II	faces of floor)	40 x 10	200 mm Fischer FiPW E Endless Pipe Wrap	200mm Ø HDPE with 18.4mm wall thickness	120	120	







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



Appendix UL-EU Certificate

Certification Mark UL-EU mark

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The UL-EU Mark, as displayed below, shall appear on certified products only. Minimum size is not specified, as long as the Mark is legible. The following is suggested.



The minimum height of the registered trademark symbol ® shall be 1 mm. When the overall diameter of the UL-EU Mark is less than 9.5 mm, the trademark symbol may be omitted if it is not legible to the naked eye.

The UL-EU Mark may appear on a label, nameplate, or may be cast, stamped or molded into the product. When appearing on a label or nameplate, the Manufacturer's name or trademark along with a model number are also required on that same label or nameplate. If cast, stamped or molded, the 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

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