UL-EU CERTIFICATE

Certificate No. UL-EU-01170-CPR

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Date of Issue 2021-03-29

Certificate Holder PFC Corofil

Units 3 & 4 King Georges Industrial Estate,

Davis Road, Chessington, KT9 1TT

Manufacturer A/008

Certified Product Type Fire Stop – Pipe Collar

Product Trade Name PFC Corofil Intumescent Pipe Collar

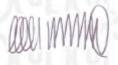
Trademark N/A

Rating/Classification See Appendix

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

Expiry date 2031-03-28





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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.



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This certificate relates to the use of PFC Corofil Intumescent Pipe Collar for fire stopping where services penetrate floors and walls. The detailed scope is given in pages 3 to 7 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) 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 PFC Corofil Intumescent Pipe Collar is X - intended for use in conditions exposed to weathering (includes all lower classes).



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Product-type: Pipe Collar	Intended use: Pene	tration Seal	
Basic requirement for construction work	Basic Requirement	Basic requirement for construction work	
	BWR 1 Mechanical resistance and stabili	ty	
人りに人りに人り	None	し人りし人りし人り	
$\times \times \times$	BWR 2 Safety in case of fire	$\langle \times \times \rangle$	
EN 13501-1	Reaction to fire	Class E	
EN 13501-2	Resistance to fire	See pages 4-7	
VII. VII. VII.	BWR 3 Hygiene, health and environmen	t Vm. Vm. Vn	
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	
Vii Vii Vii	BWR 4 Safety in use	Vii Vii Vii	
EOTA TR 001:2003	Mechanical resistance and stability	No performance determine	
EOTA TR 001:2003	Resistance to impact/movement	No performance determined	
EOTA TR 001:2003 ISO 11600	Adhesion	No performance determined	
V(ii.)\/(ii.)\/(ii.)	BWR 5 Protection against noise	Mil.Mil.Mi	
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	
)(U ₁)(U ₁)(U ₁	BWR 6 Energy economy and heat retention	on	
EN 12664, EN 12667 or EN 12939	Thermal properties	No performance determine	
EN ISO 12572 EN 12086	Water vapour permeability	No performance determined	
YUIYUIYU	General aspects relating to fitness for use	e	
ISO 8339: 2005, ISO 9046: 2004 & ISO 7389: 2003	Durability and serviceability	X	
XOLXOLXO	WR 7 Sustainable use of natural resource	ees	
$\overline{}$		No performance determined	



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Substrate Substrate Thick	Minimum Substrate Thickness	Annular space sealed with PFC Corofil Acoustic	Collar Position	Inlay W X H	Reference	Pipe	Fire Resistance (mins.)	
	(mm)	Intumescent Sealant (mm)		(mm)			E	EI
i Yii N	1/11	Mar Mar	N/111	West 1	32 mm PFC Corofil	32 mm Ø PVC with 1.8mm	9	
	I W Ur		10 U r		Intumescent Pipe Collar	wall thickness		
	L/\L			30 x 4	40 mm PFC Corofil	40 mm Ø PVC with 1.8mm		
					Intumescent Pipe Collar	wall thickness		
					50 mm PFC Corofil	50 mm Ø PVC with 1.8mm		
	- 37°II-				Intumescent Pipe Collar	wall thickness	17 11	
			ハベレ	M	55 mm PFC Corofil	55mm Ø PVC with 2.3-3mm	M. 54	
				30 x 6	Intumescent Pipe Collar	wall thickness	7	
					63 mm PFC Corofil	63mm Ø PVC with 2.3-3mm		
	3/11.		N/111_		Intumescent Pipe Collar	wall thickness	/11	
	1 30 UT		N UI	20 0.3 1	75 mm PFC Corofil	75mm Ø PVC with 3.1-	K L	
	-/_ h			30 x 8	Intumescent Pipe Collar 82 mm PFC Corofil	4.8mm wall thickness 82mm Ø PVC with 3.1-		
	1/5)(UL	100	Intumescent Pipe Collar 90 mm PFC Corofil	4.8mm wall thickness 90mm Ø PVC with 4.2-	100	
	- W III			M 11 - 1	Intumescent Pipe Collar	7.4mm wall thickness	120*	
	レハーレ			30 x 10	100 mm PFC Corofil	100mm Ø PVC with 4.2-		
					Intumescent Pipe Collar	7.4mm wall thickness		
			YO		110 mm PFC Corofil	110mm Ø PVC with 4.2-		
	: N/III-				Intumescent Pipe Collar	7.4mm wall thickness		
				40 x 12	125 mm PFC Corofil	125mm Ø PVC with 6.0mm		
	-/\				Intumescent Pipe Collar	wall thickness		
Drywall/ Masonry/			Both sides		140 mm PFC Corofil	140mm Ø PVC with 6.1-		
Concrete	100	10		40 x 16	Intumescent Pipe Collar	7.5mm wall thickness		12
wall	1 1/1 1/1		10 H H	40 40	160 mm PFC Corofil	160mm Ø PVC with 6.2-		
wan				40 x 18	Intumescent Pipe Collar	9.5mm wall thickness		
		$\times\!\!\!\times\!\!\!\!\times$		30 x 4	32 mm PFC Corofil	32 mm Ø PP with 2.9mm		
					Intumescent Pipe Collar	wall thickness		
	. 37 11.				40 mm PFC Corofil	40 mm Ø PP with 2.9mm		
					Intumescent Pipe Collar	wall thickness		
	7/\=				50 mm PFC Corofil	50 mm Ø PP with 2.9mm		
					Intumescent Pipe Collar	wall thickness		
	3/11			30 x 6	55 mm PFC Corofil	55mm Ø PP with 2.9-4.4mm		
	1 36 LFY				Intumescent Pipe Collar	wall thickness		
	L/_ L		//_TL		63 mm PFC Corofil	63mm Ø PP with 2.9-4.4mm		h-)
					Intumescent Pipe Collar	wall thickness	O	
	1		1	1	75 mm PFC Corofil	75mm Ø PP with 2.8-6.7mm		190
	- WH-		Wille	30 x 8	Intumescent Pipe Collar	wall thickness		
				30 X 0	82 mm PFC Corofil	82mm Ø PP with 2.8-6.7mm		
					Intumescent Pipe Collar	wall thickness		10
				30 x 10	90 mm PFC Corofil	90mm Ø PP with 2.7-10mm		
	3/11				Intumescent Pipe Collar	wall thickness	1	
					100 mm PFC Corofil	100mm Ø PP with 2.7-10mm		
	-/\ L				Intumescent Pipe Collar	wall thickness		
$\langle \rangle \langle \rangle$	$\langle \; \rangle =$				110 mm PFC Corofil Intumescent Pipe Collar	110mm Ø PP with 2.7-10mm wall thickness		



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

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	Minimum Substrate Thickness	sealed with PFC Corofil Acoustic Intumescent	Collar Position	Inlay W X H	Reference	Pipe	Resis	re tance ns.)						
			1 osition	(mm)			E	EI						
				40 x 12	125 mm PFC Corofil	125mm Ø PP with 3.1mm								
	1/		1/	40 X 12	Intumescent Pipe Collar	wall thickness	100							
	· Willia		1/11/11/11	40 x 16	140 mm PFC Corofil	140mm Ø PP with 3.5-	1,0							
	$-/$ \ $^{-}$ \ $^{-}$		ハーレ	40 X 10	Intumescent Pipe Collar	8.0mm wall thickness	1, 20							
				40 x 18	160 mm PFC Corofil	160mm Ø PP with 4.0-	· `							
					Intumescent Pipe Collar	14.5mm wall thickness								
	\/ III.		N/11.	1/11	32 mm PFC Corofil	32 mm Ø PE with 2.9mm	1/11	. ^						
	E M UT		JU U I		Intumescent Pipe Collar	wall thickness	K U	D						
	-//	h/_h/_1	1/A The	30 x 4	40 mm PFC Corofil	40 mm Ø PE with 2.9mm								
				JU A 4	Intumescent Pipe Collar	wall thickness								
				1000	50 mm PFC Corofil	50 mm Ø PE with 2.9mm	Q							
	- W 11v			WHI - T	Intumescent Pipe Collar	wall thickness								
	レルーレ			30 x 6	55 mm PFC Corofil	55mm Ø PE with 2.9-4.4mm								
					Intumescent Pipe Collar	wall thickness								
Drywall/ Masonry/ Concrete wall					63 mm PFC Corofil	63mm Ø PE with 2.9-4.4mm								
	N/11 N/11	1/11	1/11 1	Intumescent Pipe Collar	wall thickness	120*	12							
	I W UT	00 10	Both sides	30 x 8	75 mm PFC Corofil	75mm Ø PE with 2.8-6.7mm	120*	120						
					Intumescent Pipe Collar	wall thickness								
	100				82 mm PFC Corofil	82mm Ø PE with 2.8-6.7mm								
	100				Intumescent Pipe Collar	wall thickness								
	. WII.			30 x 10	90 mm PFC Corofil	90mm Ø PE with 2.7-10mm								
					Intumescent Pipe Collar	wall thickness								
					100 mm PFC Corofil	100mm Ø PE with 2.7-10mm								
					Intumescent Pipe Collar	wall thickness								
	1/11		1/11		110 mm PFC Corofil	110mm Ø PE with 2.7-10mm								
	3// 111		1)(UL		Intumescent Pipe Collar	wall thickness								
				40 x 12	125 mm PFC Corofil	125mm Ø PE with 3.1mm		Ы						
					Intumescent Pipe Collar	wall thickness								
	$U_L)(U_L)(U_L)(U_L)(U_L)(U_L)(U_L)(U_L)($		40 x 16	140 mm PFC Corofil	140mm Ø PE with 3.9-	Vii	5							
		3/11-	40 X 10	Intumescent Pipe Collar	5.8mm wall thickness									
		IJUL,	40 x 18	160 mm PFC Corofil	160mm Ø PE with 4.9-									
				Intumescent Pipe Collar	9.5mm wall thickness		-,/							
		\times		30 x 10	110 mm PFC Corofil	110mm Ø PP with 2.7mm								
Masanmil	1. /				Intumescent Pipe Collar	wall thickness	120	120						
Masonry/	CM 114			40 x 18	160 mm PFC Corofil	160mm Ø PP with 4.0mm	120~	120						
Concrete wall					Intumescent Pipe Collar	wall thickness								
waii		40 x 24		40 = 24	250 mm PFC Corofil	250mm Ø PP with 6.2mm	120*	120						
			40 X 24	Intumescent Pipe Collar	wall thickness	120*	120							

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



[~]Uncapped/Uncapped (U/U)

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Substrate	Minimum Substrate Thickness	Annular space sealed with PFC Corofil Acoustic Intumescent Sealant (mm)	Collar Position	Inlay W X H (mm)	Reference	Pipe	Fire Resistance (mins.)	
	(mm)						E	EI
- N/	10000	Mar Mar	3/10	War 1	32 mm PFC Corofil	32 mm Ø PVC with 1.8mm	100	
	I William		10 H	M III I	Intumescent Pipe Collar	wall thickness	٧	
			-/\L	30 x 4	40 mm PFC Corofil	40 mm Ø PVC with 1.8mm		
					Intumescent Pipe Collar	wall thickness		
					50 mm PFC Corofil	50 mm Ø PVC with 1.8mm		
	. 37 11.		3/11.	V/11.	Intumescent Pipe Collar	wall thickness	1/11	
			JU VI	N UI	55 mm PFC Corofil	55mm Ø PVC with 2.3-3mm	N. U	
	-/\ -			30 x 6	Intumescent Pipe Collar	wall thickness	1	
				30 X 0	63 mm PFC Corofil	63mm Ø PVC with 2.3-3mm		
	1/11		No Francis		Intumescent Pipe Collar	wall thickness	///	
	1 M IIV		Willia	M III r	75 mm PFC Corofil	75mm Ø PVC with 3.1-	M. III	
	レハーレ		ハート	30 x 8	Intumescent Pipe Collar	4.8mm wall thickness	1	
				30 X 8	82 mm PFC Corofil	82mm Ø PVC with 3.1-	- 1	
					Intumescent Pipe Collar	4.8mm wall thickness		
	. 3/11.	T)(AT)(AI T)(AT)(AI)(UL	V/11.	90 mm PFC Corofil	90mm Ø PVC with 4.2-	(U	
				30 x 10	Intumescent Pipe Collar	7.4mm wall thickness		
-/\ -/\ -	-/\ -				100 mm PFC Corofil	100mm Ø PVC with 4.2-		
				30 X 10	Intumescent Pipe Collar	7.4mm wall thickness		
	7/10		Soffit	VII.	110 mm PFC Corofil	110mm Ø PVC with 4.2-	240*	
	 W III. 				Intumescent Pipe Collar	7.4mm wall thickness		
	レハンし			40 x 12	125 mm PFC Corofil	125mm Ø PVC with 6.0mm		
					Intumescent Pipe Collar	wall thickness		
Concrete	150	10 (to top face of		40 x 16	140 mm PFC Corofil	140mm Ø PVC with 6.1-		240
floor	150	floor)		40 X 10	Intumescent Pipe Collar	7.5mm wall thickness		
				40 x 18	160 mm PFC Corofil	160mm Ø PVC with 6.2-		
	h-//\ h				Intumescent Pipe Collar	9.5mm wall thickness		
				30 x 4	32 mm PFC Corofil	32 mm Ø PP with 2.9mm		
	1				Intumescent Pipe Collar	wall thickness		
	- 37 III-				40 mm PFC Corofil	40 mm Ø PP with 2.9mm		
					Intumescent Pipe Collar	wall thickness		
					50 mm PFC Corofil	50 mm Ø PP with 2.9mm	1	
					Intumescent Pipe Collar	wall thickness	Ú	
N/10 N/10	3/11.			30 x 6	55 mm PFC Corofil	55mm Ø PP with 2.9-4.4mm		
	1 30 UT				Intumescent Pipe Collar	wall thickness		
	6/A 6				63 mm PFC Corofil	63mm Ø PP with 2.9-4.4mm		-/
					Intumescent Pipe Collar	wall thickness		
	1	Մ <u>լ</u>)(Մ <u>լ</u>)(Մլ Մլ)(Մլ)(Մլ	1	30 x 8	75 mm PFC Corofil	75mm Ø PP with 2.8-6.7mm	(U	
	- WIII-		Wille		Intumescent Pipe Collar	wall thickness		
アイント					82 mm PFC Corofil	82mm Ø PP with 2.8-6.7mm		
	1/ 1/2				Intumescent Pipe Collar	wall thickness		
				30 x 10	90 mm PFC Corofil	90mm Ø PP with 2.7-10mm		
	3/11				Intumescent Pipe Collar	wall thickness	1/1	
r w ur w u	I M UT				100 mm PFC Corofil	100mm Ø PP with 2.7-10mm		
	5/\ L				Intumescent Pipe Collar	wall thickness		
					110 mm PFC Corofil	110mm Ø PP with 2.7-10mm		
					Intumescent Pipe Collar	wall thickness		

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Substrate Minimum Substrate Thickness (mm)	Substrate	sealed with PFC Corofil Acoustic ess	Collar Position	Inlay W X H (mm)	Reference	Pipe	Fire Resistance (mins.)	
	(mm)						E	EI
)(Ū	40 x 12	125 mm PFC Corofil	125mm Ø PP with 3.1mm	Ñ	
	1/11				Intumescent Pipe Collar	wall thickness		
	I MILIT			40 x 16	140 mm PFC Corofil	140mm Ø PP with 3.5-		
	-/\"-				Intumescent Pipe Collar	8.0mm wall thickness		-/
				40 x 18	160 mm PFC Corofil	160mm Ø PP with 4.0-		
				10 11 10	Intumescent Pipe Collar	14.6mm wall thickness		
	. 37 11.		N/11.	W/11_	32 mm PFC Corofil	32 mm Ø PE with 2.9mm		. 1
				N - W - 1	Intumescent Pipe Collar	wall thickness	240*	240*
	-/\ =		/ L	30 x 4	40 mm PFC Corofil	40 mm Ø PE with 2.9mm		
				30 A T	Intumescent Pipe Collar	wall thickness		
	1/	10 (to top face of floor)	re of Soffit	VIII	50 mm PFC Corofil	50 mm Ø PE with 2.9mm		
	- 3/ 11v				Intumescent Pipe Collar	wall thickness		
				30 x 6 -	55 mm PFC Corofil	55mm Ø PE with 2.9-4.4mm		
					Intumescent Pipe Collar	wall thickness		
					63 mm PFC Corofil	63mm Ø PE with 2.9-4.4mm		
	3/11				Intumescent Pipe Collar	wall thickness		
	1 14 13 1				75 mm PFC Corofil	75mm Ø PE with 2.8-6.7mm		
Concrete	150				Intumescent Pipe Collar	wall thickness		
floor	150				82 mm PFC Corofil	82mm Ø PE with 2.8-6.7mm		
					Intumescent Pipe Collar	wall thickness		
	- N/111-	լ)(Սլ)(Սլ		30 x 10	90 mm PFC Corofil	90mm Ø PE with 2.7-10mm		
					Intumescent Pipe Collar	wall thickness		
	-/\ -				100 mm PFC Corofil	100mm Ø PE with 2.7-10mm		
					Intumescent Pipe Collar	wall thickness		
	1/	1. 1. 1.			110 mm PFC Corofil	110mm Ø PE with 2.7-10mm		
- Wille Wills	- WIII-		W III		Intumescent Pipe Collar	wall thickness		
			ハベレ	10 10	125 mm PFC Corofil	125mm Ø PE with 3.1mm		
				40 x 12	Intumescent Pipe Collar	wall thickness		
			Yu	40 x 16	140 mm PFC Corofil	140mm Ø PE with 3.9-	/Ū	
	3//11				Intumescent Pipe Collar	5.8mm wall thickness		
	I K UI			40 x 18	160 mm PFC Corofil	160mm Ø PE with 4.9-		
	-/_h		//		Intumescent Pipe Collar	9.5mm wall thickness		
			Both faces	30 x 10	110 mm PFC Corofil	110mm Ø PP with 2.7mm	120~	100
	1				Intumescent Pipe Collar	wall thickness		120~
	- W III-	10 (to both faces)		40 x 16	160 mm PFC Corofil	160mm Ø PP with 4.0mm	120:5	120*
		Vol Vol Vol			Intumescent Pipe Collar	wall thickness	120*	



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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 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.

