# UL-EU CERTIFICATE

Certificate No. UL-EU-01233-CPR

Page 1/8

Date of Issue 2021-12-16

> Unit 8, I.O Centre, Stephenson Road, Segensworth, Fareham,

PO15 5RU

Manufacturer A/008

Certified Product Type Fire Stop - Pipe Collar

Product Trade Name Astro X Series CE Pipe Collar

Trademark N/A

Rating/Classification See Appendix

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

**Expiry date** 2031-12-15





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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.



Certificate No. UL-EU-01233-CPR

Page 2/8

Date of Issue 2021-12-16

This certificate relates to the use of Astro X Series CE Pipe Collar 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) 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 Astro X Series CE Pipe Collar is X - intended for use in conditions exposed to weathering (includes all lower classes).



Certificate No. UL-EU-01233-CPR

Page 3/8

**Date of Issue** 2021-12-16

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	
人ピスピスツ	None	し人でしたでした。	
$\times \times \times$	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 page 5	
VII. VII. VII.	BWR 3 Hygiene, health and environmen	t / m. //m. //m	
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	
Vii. Vii. Vii.	BWR 5 Protection against noise	Mir.Mir.Mir	
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 <sub>1</sub> )( U <sub>1</sub> )( U <sub>2</sub>	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	
YULYULYU	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	



UL-EU-01233-CPR Certificate No.

> 4/8 **Page**

2021-12-16 **Date of Issue** 

Substrate	Minimum Substrate Thickness (mm)	Annular space sealed with Astro intu mastic	Collar Position	Inlay W X H (mm)	Reference	Pipe	Resis	ire stance ins.) EI						
LJU	ᇇᄓ	(mm)	UL.X	UL)(	32 mm Astro X Series CE Pipe Collar	32 mm Ø PVC with 1.8mm wall thickness	70	Ų.U.	ĮΨ	ĮΨ	ĮΨ	ĮΨ	ĮΨ	)
< >< >	< > <	VIII (	$\times$	30 x 4	40 mm Astro X Series CE Pipe Collar	40 mm Ø PVC with 1.8mm wall thickness		K						
h )( U	)( U <sub>1</sub> )		Ui Y	$U_1 Y$	50 mm Astro X Series CE Pipe Collar	50 mm Ø PVC with 1.8mm wall thickness	// U							
2/5			Z/\	20 6	55 mm Astro X Series CE Pipe Collar	55mm Ø PVC with 2.3-3mm wall thickness		2						
i Vii	2/11/2	(UL)	U_)(	30 x 6	63 mm Astro X Series CE Pipe Collar	63mm Ø PVC with 2.3-3mm wall thickness	Vii	$\cap$						
P/C				30 x 8	75 mm Astro X Series CE Pipe Collar	75mm Ø PVC with 3.1-4.8mm wall thickness		9						
Mil	Mil.	VII.V	11.V	J0 X 8	82 mm Astro X Series CE Pipe Collar	82mm Ø PVC with 3.1-4.8mm wall thickness	/m	$\mathcal{A}$						
ייאלי	リベル		21/	ハリ	90 mm Astro X Series CE Pipe Collar	90mm Ø PVC with 4.2-7.4mm wall thickness	10	IJ						
5/2			30 x 10	30	30 x 10	100 mm Astro X Series CE Pipe Collar	100mm Ø PVC with 4.2-7.4mm wall thickness	7.	5					
Drywall/ Masonry/ Concrete wall	L)(UL	$(U_L)($	U = X	EX(ULX	110 mm Astro X Series CE Pipe Collar	110mm Ø PVC with 4.2-7.4mm wall thickness	K	L)						
	$< \times <$	100 10	$\times$	40 x 12	125 mm Astro X Series CE Pipe Collar	125mm Ø PVC with 6.0mm wall thickness		K						
	100		Both	40 x 16	140 mm Astro X Series CE Pipe Collar	140mm Ø PVC with 6.1-7.5mm wall thickness	120*	1204						
	100	100	00 10	10	sides	sides	sides	sides	40 x 18	160 mm Astro X Series CE Pipe Collar	160mm Ø PVC with 6.2-9.5mm wall thickness	120**	120*	
	Mil	VII.V	11.37	30 x 4	32 mm Astro X Series CE Pipe Collar	32 mm Ø PP with 2.9mm wall thickness	)(u	$\cap$						
		J. P.	シム		40 mm Astro X Series CE Pipe Collar	40 mm Ø PP with 2.9mm wall thickness		Ы						
	CE Pipe Collar		(I)					50 mm Ø PP with 2.9mm wall thickness	16					
	ᄔᄊᆘ			20 v 6	55 mm Astro X Series CE Pipe Collar	55mm Ø PP with 2.9-4.4mm wall thickness	Mn.	IJ.						
	$< \times <$		(m)	(Ū)	30 x 6	30 x 6	63 mm Astro X Series CE Pipe Collar	63mm Ø PP with 2.9-4.4mm wall thickness	$\geq$	<				
	)(U <sub>L</sub> )					$U_{\rm L})($	20 v 9	20 # 8	75 mm Astro X Series CE Pipe Collar	75mm Ø PP with 2.8-6.7mm wall thickness	V U	K U		
			$\times$	30 X 8	82 mm Astro X Series CE Pipe Collar	82mm Ø PP with 2.8-6.7mm wall thickness	>	₹.						
			$VU_1V$	(U-)(U-)(U-)(U-)(U-)	$_{i}YU_{i}Y$	u.Y	Ur Wur W	$-Yu_iY$	r W Ur W	$-Y_{U_1}Y_1$	90 mm Astro X Series CE Pipe Collar	90mm Ø PP with 2.7-10mm wall thickness	ľU	
					30 x 10	30 x 10	30 x 10	100 mm Astro X Series CE Pipe Collar	100mm Ø PP with 2.7-10mm wall thickness		9			
. Vii				11.\/		Vii	110 mm Astro X Series CE Pipe Collar	110mm Ø PP with 2.7-10mm wall thickness	VIII					
			ベル	YLA	40 x 12	125 mm Astro X Series CE Pipe Collar	125mm Ø PP with 3.1mm wall thickness	V.	IJ					



<sup>\*</sup> Uncapped/Capped (U/C) ~Uncapped/Uncapped (U/U)

UL-EU-01233-CPR Certificate No.

> 5/8 Page

2021-12-16 **Date of Issue** 

Substrate Substrate Thicks	Minimum Substrate Thickness	Substrate sealed with	space sealed with	space sealed with	space sealed with	space sealed with	space sealed with	space sealed with	Collar Position	Inlay W X H	Reference	Pipe	Resis	re tance ns.)
			Position	(mm)			E	EI						
エスピレス	ᇇᄱ	MULN.	الريافي	<b>LUL</b> X	ᇇ	40 x 16	140 mm Astro X Series CE Pipe Collar	140mm Ø PP with 3.5-8.0mm wall thickness	Ųυ					
	$\leq \times$	$\times$	$\times$	40 x 18	160 mm Astro X Series CE Pipe Collar	160mm Ø PP with 4.0-14.5mm wall thickness		<						
	i )( Ui )	$(U_L)($		Ur X	32 mm Astro X Series CE Pipe Collar	32 mm Ø PE with 2.9mm wall thickness	( U							
				30 x 4	40 mm Astro X Series CE Pipe Collar	40 mm Ø PE with 2.9mm wall thickness		2						
	MIL)	10		II. V	50 mm Astro X Series CE Pipe Collar	50 mm Ø PE with 2.9mm wall thickness	120*							
				30 x 6	55 mm Astro X Series CE Pipe Collar	55mm Ø PE with 2.9-4.4mm wall thickness		5/						
Drywall/ Masonry/ Concrete wall 100	Mil				63 mm Astro X Series CE Pipe Collar	63mm Ø PE with 2.9-4.4mm wall thickness								
	リベル			30 x 8	75 mm Astro X Series CE Pipe Collar	75mm Ø PE with 2.8-6.7mm wall thickness		120*						
	Both 82 mm Astro X Series 8 CE Pipe Collar 8		10	Both		Both			82mm Ø PE with 2.8-6.7mm wall thickness	7.				
	100		sides	30 x 10	90 mm Astro X Series CE Pipe Collar	90mm Ø PE with 2.7-10mm wall thickness	χU							
					100 mm Astro X Series CE Pipe Collar	100mm Ø PE with 2.7-10mm wall thickness	>							
	1)/U1 <sup>2</sup>		YUn Y	Ur W	Ur Y/Ur Y/	ur Yur	Ur Y	U- Y/U- Y/	110 mm Astro X Series CE Pipe Collar	110mm Ø PE with 2.7-10mm wall thickness	Yui			
		X	40 x 12	125 mm Astro X Series CE Pipe Collar	125mm Ø PE with 3.1mm wall thickness									
			40 x 16 40 x 18 30 x 10 40 x 18	40 x 1	40 x 16	40 x 16	140 mm Astro X Series CE Pipe Collar	140mm Ø PE with 3.9-5.8mm wall thickness	VIII	$\mathcal{A}$				
				40 x 18	40 x 18 160 mm Astro X Series CE Pipe Collar	160mm Ø PE with 4.9-9.5mm wall thickness	1	4						
Masonry/ Concrete wall		1		110 mm Astro X Series CE Pipe Collar	110mm Ø PP with 2.7mm wall thickness	120	120							
		Kurx		40 x 18	160 mm Astro X Series CE Pipe Collar	160mm Ø PP with 4.0mm wall thickness	120~	120~						
	$\times$	$\times$	$\times$	40 x 24	250 mm Astro X Series CE Pipe Collar	250mm Ø PP with 6.2mm wall thickness	120*	120*						



<sup>\*</sup> Uncapped/Capped (U/C) ~Uncapped/Uncapped (U/U)

Certificate No. UL-EU-01233-CPR

Page 6/8

Date of Issue 2021-12-16

Substrate	Minimum Substrate Thickness (mm)	Annular space sealed with Astro intu mastic (mm)	Collar Position	Inlay W X H (mm)	Reference	Pipe	Resis	ire stance ins.)				
<u> </u>	ᇇ╙	(11111)	ᄔ	ᄔ	32 mm Astro X Series CE Pipe Collar	32 mm Ø PVC with 1.8mm wall thickness	V,n	)				
		$\times$	$\times$	30 x 4	40 mm Astro X Series CE Pipe Collar	40 mm Ø PVC with 1.8mm wall thickness						
l <sub>1.</sub> )( U		$(U_L)($	$U_{\perp})($	U <sub>1</sub> Y	50 mm Astro X Series CE Pipe Collar	50 mm Ø PVC with 1.8mm wall thickness	(U	1.)				
2/5			~``	20 6	55 mm Astro X Series CE Pipe Collar	55mm Ø PVC with 2.3-3mm wall thickness		2				
i Viii		VIII-V	II. V	30 x 6	63 mm Astro X Series CE Pipe Collar	63mm Ø PVC with 2.3-3mm wall thickness	Vii					
リに		V. TIV		20 0	75 mm Astro X Series CE Pipe Collar	75mm Ø PVC with 3.1-4.8mm wall thickness		У				
		1	ii V	30 x 8	82 mm Astro X Series CE Pipe Collar	82mm Ø PVC with 3.1-4.8mm wall thickness	1/6					
LX		10 (to top face of floor)	ᄔ	30 x 10	90 mm Astro X Series CE Pipe Collar	90mm Ø PVC with 4.2-7.4mm wall thickness	χu	IJ				
$\leq \geq$			ŭ)		100 mm Astro X Series CE Pipe Collar	100mm Ø PVC with 4.2-7.4mm wall thickness	2	<				
Concrete					110 mm Astro X Series CE Pipe Collar	110mm Ø PVC with 4.2-7.4mm wall thickness	χU					
				Soffit	Soffit		$\leq$	40 x 12	125 mm Astro X Series CE Pipe Collar	125mm Ø PVC with 6.0mm wall thickness	>	2
			u Y			40 x 16	140 mm Astro X Series CE Pipe Collar	140mm Ø PVC with 6.1-7.5mm wall thickness	ИU	n		
floor	150		\ I			Soffit	40 x 18	160 mm Astro X Series CE Pipe Collar	160mm Ø PVC with 6.2-9.5mm wall thickness	240*	240*	
			ATT. V	11.37	32 mm Astro X Series CE Pipe Collar	32 mm Ø PP with 2.9mm wall thickness	Vii	$\mathcal{L}$				
			VGPV		30 x	30 x 4	40 mm Astro X Series CE Pipe Collar	40 mm Ø PP with 2.9mm wall thickness	1	IJ		
		1					50 mm Astro V Series	50 mm Ø PP with 2.9mm wall thickness	12	5		
		)( UL)( UL)(	UL)(	20 5	55 mm Astro X Series CE Pipe Collar	55mm Ø PP with 2.9-4.4mm wall thickness	)(U	L)				
		$\times$	3	30 x 6	63 mm Astro X Series CE Pipe Collar	63mm Ø PP with 2.9-4.4mm wall thickness		<				
			75 mm Astro X Series CE Pipe Collar 75mm Ø PP with 2.8-6.7mm v	75 mm Astro X Series CF Pipe Collar 75mm Ø PP with 2.8-6.7mm wa	$U_{\Gamma}M$	30 x 8	30 x 8	75mm Ø PP with 2.8-6.7mm wall thickness	(U			
					30 x 8			82mm Ø PP with 2.8-6.7mm wall thickness		2		
			/III.V	VIIIV	90 mm Astro X Series CE Pipe Collar	90mm Ø PP with 2.7-10mm wall thickness	Vii					
			الرياك	30 x	الحك	30 x 10	30 x 10	30 x 10	100 mm Astro X Series CE Pipe Collar	100mm Ø PP with 2.7-10mm wall thickness	V	57
			1			110 mm Astro X Series CE Pipe Collar	110mm Ø PP with 2.7-10mm wall thickness	6				
		ヘロ人	ᄔ	40 x 12	125 mm Astro X Series CE Pipe Collar	125mm Ø PP with 3.1mm wall thickness	Y.	L.J				

<sup>\*</sup> Uncapped/Capped (U/C)



<sup>~</sup>Uncapped/Uncapped (U/U)

Certificate No. UL-EU-01233-CPR

Page 7/8

Date of Issue 2021-12-16

Substrate Substrate Thickness (mm)	te sealed with	th Collar	·	Inlay WXH Reference	Pipe	Fire Resistance (mins.)					
			Position	(mm)	Reference	7.pc	E	EI			
LTV.		Val Val V	ЧLД	40 x 16	140 mm Astro X Series CE Pipe Collar	140mm Ø PP with 3.5-8.0mm wall thickness					
$\leq >$	$< \times$	$\times$	Ū)(	40 x 18	160 mm Astro X Series CE Pipe Collar	160mm Ø PP with 4.0-14.6mm wall thickness	>				
J <sub>1</sub> )( U	L)('UL)	(n <sup>r</sup> )(n <sup>r</sup> )(		Ji Y Ui X	32 mm Astro X Series CE Pipe Collar	32 mm Ø PE with 2.9mm wall thickness					
2/\				30 x 4	40 mm Astro X Series CE Pipe Collar	40 mm Ø PE with 2.9mm wall thickness		2			
i.Viii	2/11/2	VII.V	II. V		50 mm Astro X Series CE Pipe Collar	50 mm Ø PE with 2.9mm wall thickness					
		10 (to top face of floor)		30 x 6	55 mm Astro X Series CE Pipe Collar	55mm Ø PE with 2.9-4.4mm wall thickness		9			
					63 mm Astro X Series CE Pipe Collar	63mm Ø PE with 2.9-4.4mm wall thickness	16				
rLX n	Concrete floor 150			face of floor)   Soffit   CE Pipe Collar   /Smm Ø PE with 2.8-6./mm with			Soffit	Soffit	75mm Ø PE with 2.8-6.7mm wall thickness	240*	240*
							30 X 8	30 x 8	82 mm Astro X Series CE Pipe Collar	82mm Ø PE with 2.8-6.7mm wall thickness	
UL X U			UE)(	(UL)(	90 mm Astro X Series CE Pipe Collar	90mm Ø PE with 2.7-10mm wall thickness	(U				
$\leq$			$\times$	$\leq$	30 x 10	$\leq$	30 x 10	100 mm Astro X Series CE Pipe Collar	100mm Ø PE with 2.7-10mm wall thickness	>	~
u Yu		$YU_1Y$	Ur Y		110 mm Astro X Series CE Pipe Collar	110mm Ø PE with 2.7-10mm wall thickness	Vu.				
		40 x 12 125 mm Astro X Series CE Pipe Collar 40 x 16 140 mm Astro X Series CE Pipe Collar	125mm Ø PE with 3.1mm wall thickness	7	1						
1.3/11			140 mm Astro X	140mm Ø PE with 3.9-5.8mm wall thickness	1/11						
-TVG		ベーレ	40 x 18	40 x 18	40 x 18	40 x 18	160 mm Astro X Series CE Pipe Collar	160mm Ø PE with 4.9-9.5mm wall thickness	1	4	
. \/		10 (to both faces)	Both	30 x 10	110 mm Astro X Series CE Pipe Collar	110mm Ø PP with 2.7mm wall thickness	120~	120~			
$n\Gamma X \cap n$	L)(UL)(UL		faces	40 x 16	160 mm Astro X Series CE Pipe Collar	160mm Ø PP with 4.0mm wall thickness	120*	120*			

<sup>\*</sup> Uncapped/Capped (U/C)

(III)

<sup>~</sup>Uncapped/Uncapped (U/U)

#### Appendix UL-EU Certificate

Certification Mark UL-EU mark

Certificate No. UL-EU-01233-CPR

Page 8/8

Date of Issue 2021-12-16

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.

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