

DECLARATION OF PERFORMANCE

According to Annex III of the Regulation (EU) 305/2011 Construction Products Regulation Pyroplex 200 Series SL Pipe Collars

1.0 Unique Identification Code of the Product Type(s):

Pyroplex 200 Series SL Pipe Collars

2.0 Type, batch or serial number or any other element allowing identification of the products as required under Article 11(4):

Refer to product label

3.0 Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the Manufacturer:

3.1 Intended Use – Pyroplex 200 Series SL Pipe Collars

The intended use of system 200 Series SL Pipe Collars is to be used to reinstate the fire resistance performance of rigid and flexible walls and floor constructions where penetrated by various combustible pipe services.

3.1.1 The specific elements of construction that the system Pyroplex 200 Series SL Pipe Collars may be used to provide a penetration seal in, are as follows:

Rigid walls: The wall must have a minimum thickness of 100mm and comprise of concrete, aerated concrete or masonry, with a minimum density of 650 kg/m³.

Rigid floors: The floor must have a minimum thickness of 150mm and comprise of aerated concrete or concrete with a minimum density of 650 kg/m³.

Flexible Walls: The wall must have a minimum thickness of 100mm and comprise either or timber or steel studs lined on both faces with a minimum 2 layers of 12,5mm Type F Gypsum boards according to EN520. In timber stud walls, no part of the penetration shall be closer than 100mm to a stud, and minimum of 100mm of insulation compliant with Class A1 or A2 according to EN13501-1, shall be provided within the cavity between the penetration and the stud.

The supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period.

3.1.2 Pyroplex 200 Series SL Collar may be used to provide a penetration seal with specific combustible pipes, single only.

3.1.3 Apertures in the separating element shall be sized as detailed in the installation instructions.
Apertures provided within the supporting construction shall be separated by min. 200mm.

3.1.4 Pipes shall be supported at a maximum 320mm away from both sides of the wall constructions and from the upper face of floor constructions.

3.1.5 European technical approval ETA 20/1207

3.1.6 The product must be installed in accordance with the Pyroplex Technical Data Sheet.

4.0 Name, registered trade name or registered trade mark and contact address of the Manufacturer as required pursuant Article 11(5);

Name: Pyroplex Limited,
The Furlong,
Droitwich,
Worcestershire,
WR9 9BG

Telephone: +44 (0) 1905 795432

Fax: +44 (0) 1905 796662

Contact point: andy.walsh@pyroplex.com [Declaration of Performance Only]

5.0 Where applicable, name and address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

NOT APPLICABLE

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6.0 System or Systems of assessment and verification of constancy performance of the construction product as set out in Construction Products Regulation

Annex V: AVCP - SYSTEM 1

7.0 In the case of the declaration of performance concerning product covered by a Harmonised Standard

NOT APPLICABLE

8.0 In the case of the declaration of performance concerning product covered by a Harmonised Standard and/or ETA:

Warrington Certification Ltd issued ETA 20/1207 in accordance with regulation (EU) No 305/20011, on the basis of EAD 350454-00-1104 September 2017

9.0 Declared performance

Basic requirement of construction work	Basic requirement	Performance
BWR 1 Mechanical resistance and stability		
	None	No relevant
BWR 2 Safety in case of fire		
EN 13501-1	Reaction to fire	Class F
EN 13501-2	Resistance to fire	Refer to classification reports
BWR 3 Hygiene, Health and the Environment		
EN 1026:2000	Air permeability (material property)	No performance determined
ETAG 026-3 Annex C	Water permeability (material property)	No performance determined
	Release of dangerous substances	Use category IA3, S/W3 Declaration - compliant
BWR 4 Safety in Use		
EOTA TR001:2003	Mechanical resistance and stability	No performance determined
EOTA TR001:2003	Resistance to impact/movement	No performance determined
EOTA TR001:2003	Adhesion	No performance determined
BWR 5 Protection against noise		
EN 10140-2/EN 717-1	Airborne sound insulation	No performance determined
BWR 6 Energy, Economy and Heat Retention		
EN 12664, EN 12667 or EN12939	Thermal properties	No performance determined
EN ISO 12572 EN12806	Water vapour permeability	No performance determined
General aspects relating to fitness for use		
EOTA TR024	Durability and service ability	Z ₂
BWR 7 Sustainable use of natural resources		
		No performance determined

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10.0 The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This Declaration of Performance is issued under the sole responsibility of Pyroplex Limited.

Signed for and behalf of Pyroplex Limited:



Competent Person Name: Andy Walsh
Responsibility: Technical Manager
Place: Pyroplex Limited, Droitwich, Worcestershire WR9 9BG
Date of Issue: January 2021 **Issue:** 3

A.1 References to standards cited in DoP:

EN 13501-1 Fire classification of construction products and building elements – Part 1: Classification using test data from reaction to fire tests.

EN 13501-2 Fire classification of construction products and building elements – Part 2: Classification using test data from fire resistance tests.

A.2 Other reference documents:

EOTA TR 024 Characterisation, Aspects of Durability and Factory Production Control for Reactive Materials, Components and Products.

Guideline for European Technical Approval of Fire Stopping and Fire Sealing Products:
ETAG 026 Part 1: "General" and Part 2: "Penetration Seals"

Annex B – Scope of Approval and Classifications derived from Fire Resistance – Classification

Fire performance and field of application are referenced in;

WF 412471

Amendments/Revisions

Issue 2 - Annex B table amended.
Issue 3 - Updated ETA number

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Annex B

Table 1 - UPVC pipe – Flexible and Rigid Wall [100mm minimum thickness] Pyroplex 200 Series SL Pipe Collars to be installed both sides of the supporting construction			
Pipe Diameter (mm)	Pipe thickness (mm)	Collar Type	Classification
50	2.4 - 3.70	PPC52-2SL	E 120 – U/C EI 90 – U/C
75	3.20 - 4.90	PPC75-2SL	
82	3.40 - 5.20	PPC82-2SL	
110	4.20 - 6.60	PPC110-2SL	
160	6.20 - 9.50	PPC160-2SL	EI120 – U/C

Table 2 - Polypropylene pipes – Flexible and Rigid Wall [100mm minimum thickness] Pyroplex 200 Series SL Pipe Collars to be installed both sides of the supporting construction			
Pipe Diameter (mm)	Pipe thickness (mm)	Collar Type	Classification
50	2 - 6.90	PPC52-2SL	EI60 – U/C E 120 – U/C
75	2.3 - 10.30	PPC75-2SL	
82	2.40 - 11.30	PPC82-2SL	
110	2.70 - 15.10	PPC110-2SL	
160	4.00 - 21.90	PPC160-2SL	EI90 – U/C E 120 – U/C

Table 3 - Polyethylene pipes – Flexible and Rigid Wall [100mm minimum thickness] Pyroplex 200 Series SL Pipe Collars to be installed both sides of the supporting construction			
Pipe Diameter (mm)	Pipe thickness (mm)	Collar Type	Classification
50	3.00 - 4.60	PPC52-2SL	E 120 – U/C EI90 – U/C
75	2.90 - 6.90	PPC75-2SL	
82	2.40 - 11.30	PPC82-2SL	
110	2.80 - 7.50	PPC110-2SL	
160	4.00 - 14.60	PPC160-2SL	EI120 – U/C

Table 4 - UPVC pipe – Rigid Floor 150mm minimum thickness] Pyroplex 200 Series SL Pipe Collars to be installed to the underside of the supporting construction			
Pipe Diameter (mm)	Pipe thickness (mm)	Collar Type	Classification
50	2.4 - 3.70	PPC52-2SL	EI120 – U/C
75	3.20 - 4.90	PPC75-2SL	
82	3.40 - 5.20	PPC82-2SL	
110	4.20 - 6.60	PPC110-2SL	
160	6.20 - 9.50	PPC160-2SL	EI120 – U/C

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Table 5 - Polypropylene pipes – Rigid Floor 150mm minimum thickness] Pyroplex 200 Series SL Pipe Collars to be installed to the underside of the supporting construction			
Pipe Diameter (mm)	Pipe thickness (mm)	Collar Type	Classification
50	2 - 6.90	PPC52-2SL	EI120 – U/C
75	2.3 - 10.30	PPC75-2SL	
82	2.40 - 11.30	PPC82-2SL	
110	2.70 - 15.10	PPC110-2SL	
160	4.00 - 21.90	PPC160-2SL	EI120 – U/C

Table 6 - Polyethylene pipes – Rigid Floor 150mm minimum thickness] Pyroplex 200 Series SL Pipe Collars to be installed to the underside of the supporting construction			
Pipe Diameter (mm)	Pipe thickness (mm)	Collar Type	Classification
50	3.00 - 4.60	PPC52-2SL	EI120 – U/C
75	2.90 - 6.90	PPC75-2SL	
82	2.40 - 11.30	PPC82-2SL	
110	2.80 - 7.50	PPC110-2SL	
160	4.00 - 14.60	PPC160-2SL	EI90 – U/C

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According to Annex III of the Regulation (EU) 305/2011 Construction Products Regulation
Pyroplex 200 and 400 Series Collars

Appendices

Pyroplex 400 series collars

Table 7 - Services HDPE pipe according to EN 1519 – Flexible Wall [130mm min. thickness] Collar to be installed on both sides of the supporting construction			
Pipe Diameter (mm)	Pipe thickness (mm)	Collar Type	Classification
25	2.40 – 3.70	PPC25-4	EI 120 – U/C EI 120 – C/C
32	2.40 – 3.70	PPC32-4	
40	2.40 – 3.70	PPC40-4	
48	2.50 – 4.00	PPC48-4	
55	3.30 – 5.20	PPC55-4	
68	3.00 – 5.40	PPC68-4	
82	3.00 – 5.40	PPC82-4	
90	3.40 – 6.60	PPC90-4	
110	3.40 – 6.60	PPC110-4	
160	4.90 – 9.10	PPC160-4	

Pyroplex 400 series collars

Table 8 - Services PP pipe according to EN 1451 – Flexible Wall [130mm min. thickness] Collar to be installed on both sides of the supporting construction			
Pipe Diameter (mm)	Pipe thickness (mm)	Collar Type	Classification
25	1.80 – 3.70	PPC25-4	EI 120 – U/C, C/C EI 90 – U/C, C/C
32	1.80 – 3.70	PPC32-4	
40	1.80 – 3.70	PPC40-4	
48	1.90 – 4.40	PPC48-4	
55	2.30 – 7.50	PPC55-4	
68	2.30 – 7.50	PPC68-4	
82	2.30 – 7.50	PPC82-4	
90	2.70 – 10.0	PPC90-4	
110	2.70 – 10.0	PPC110-4	EI 120 – U/C, C/C
160	4.0 – 9.10	PPC160-4	

Pyroplex 400 series collars

As defined in WF348700 products listed in tables 6, 7 and 8, PPC25-4 to PPC160-4 can be used on PVC, HDPE and PP penetrations, providing the wall has a minimum thickness of 130mm and comprise of concrete, aerated concrete or masonry, with a minimum density of 650 kg/m³.

Pyroplex 400 series collars

Table 9 - Services PVC-U pipe according to EN 1452-2 ¹ – Rigid Floor Construction [150mm min. thickness] Collar to be installed on both sides of the supporting construction			
Pipe Diameter (mm)	Pipe thickness (mm)	Collar Type	Classification
350	9.8	PPC350-4	EI 180 – C/C
400	9.8	PPC400-4	EI 180 – C/C

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Pyroplex 200 and 400 Series Collars

Appendices

Pyroplex 400 series collars

Table 10 - Services PE-HD pipe according to EN 12201-2 ² – Rigid Floor Construction [150mm min. thickness] One collar to be installed on the underside of the supporting construction			
Pipe Diameter (mm)	Pipe thickness (mm)	Collar Type	Classification
350	23.7	PPC350-4	EI 60 – C/C
400	23.7	PPC400-4	

Pyroplex 400 series collars

Table 11 - Services PVC-U pipe according to EN 1329-1 ¹ – Rigid Floor Construction [150mm min. thickness] One collar to be installed on the underside of the supporting construction			
Pipe Diameter (mm)	Pipe thickness (mm)	Collar Type	Classification
25	1.8	PPC25-4	EI 180 – U/C EI 180 – C/C
32	1.8	PPC32-4	
40	1.8	PPC40-4	
48	3.2	PPC48-4	
55	3.2	PPC55-4	
68	3.2	PPC68-4	
82	3.2	PPC82-4	
90	3.2	PPC90-4	
110	3.2	PPC110-4	
125	3.2	PPC125-4	
135	3.2	PPC135-4	
160	3.2	PPC160-4	
200	5.4	PPC200-4	
225	7.2	PPC225-4	
250	7.2	PPC250-4	
315	8.2	PPC315-4	EI 120 – C/C