

DECLARATION OF PERFORMANCE

According to Annex III of the Regulation (EU) 305/2011 Construction Products Regulation

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

Pyroplex 200 Series Pipe Wraps & Pyroplex 400 Series Pipe Wraps

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 and 400 series wraps

The intended use of system 200 Series and 400 Series Wraps System is 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 Wraps System and 400 Series Wraps System may be used to provide a penetration seal in, are as follows:

Rigid walls: The wall must have a minimum thickness of 150mm 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.

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

3.1.2 Pyroplex 200 Series Pipe Wraps System and Pyroplex 400 Pipe Wraps System 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-12/0351 of 11/08/18

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]

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

NOT APPLICABLE

5.0 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

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

NOT APPLICABLE

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

Warrington Certification Ltd issued ETA Number 12/0351 on the basis of Guideline for European Technical Approval of Fire Stopping and Fire Sealing Products: ETAG 026 Part 1: "General" and Part 2: "Penetration Seals" performed initial and continuous surveillance of the place of manufacture and the factory production control implemented, sampled product and witnessed initial type testing under system 1 and issued the Certificate of Conformity (1121-CPD-JA5003) of the Factory Production Control.

8.0 Declared performance

ETAG Clause	ETA Clause	Characteristic	Assessment of Characteristic (Declared Performance)
Mechanical resistance and stability			
		None	No relevant
Safety in case of fire			
2.4.1	2.1	Reaction to fire	Class F
2.4.2	2.2	Resistance to fire	Refer to classification reports
Hygiene, health and environment			
2.4.3	2.3	Air permeability (material property)	No performance determined
2.4.4	2.4	Water permeability (material property)	No performance determined
2.4.5	2.5	Release of dangerous substances	Declaration – compliant
Safety in use			
2.4.6	2.6	Mechanical resistance and stability	No performance determined
2.4.7	2.7	Resistance to impact/movement	No performance determined
2.4.8	2.8	Adhesion	No performance determined
Protection against noise			
2.4.9	2.9	Airborne sound insulation	No performance determined
2.4.10	2.4.10	Impact sound insulation	No performance determined
Energy economy and heat retention			
2.4.11	2.11	Thermal properties	No performance determined
2.4.12	2.12	Water vapour permeability	No performance determined
General aspects relating to fitness for use			
2.4.13	2.13	Durability and service ability	Z ₂

9.0 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: Mr Andy Walsh
Responsibility: Technical Manager
Place: Pyroplex Limited, Droitwich, Worcestershire WR9 9BG
Date of Issue: 17th January 2019 Issue: 4

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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 174256/C Issue 2

WF 174256/D Issue 3

WF 387452

Amendments/Revisions

Issue 2 - DoP amended to include tables of performance

Issue 3 - DoP amended to include classification update and expanded range of applications

Issue 4 - Updated competent person details

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Appendices

Pyroplex 200 Series Wraps

Table 1 - Services PVC-U pipe according to EN 1329-11 – Rigid Wall Construction [150mm min.thickness] wrap to be installed on both sides of the supporting construction

Pipe Diameter (mm)	Pipe thickness (mm)	Wrap Type	Classification
55	3.20	PPW55-2	EI 120 – U/C EI 120 – C/C
82	3.20	PPW82-2	
110	3.20	PPW110-2	
160	3.20	PPW160-2	

Table 2 - Services HDPE pipe - Rigid Wall Construction [150mm min. thickness] wrap to be installed internally within the wall

Pipe Diameter (mm)	Pipe wall thickness range (mm)	Wrap Type	Classification
90	2.80 - 8.20	PPW90-2	EI 120 U/C
160	4.90 - 9.50	PPW160-2	

Table 3 - Services PP pipe - Rigid Wall Construction [150mm min. thickness] wrap to be installed internally within the wall

Pipe Diameter (mm)	Pipe wall thickness range (mm)	Wrap Type	Classification
90	2.80 - 8.20	PPW90-2	EI 120 U/C
160	4.90 - 9.10	PPW160-2	

Table 4 - Services PVC-U pipe - Rigid Wall Construction [150mm min. thickness] wrap to be installed internally within the wall

Pipe Diameter (mm)	Pipe wall thickness range (mm)	Wrap Type	Classification
90	4.00 - 5.40	PPW90-2	EI 120 U/C
160	6.20 - 9.50	PPW160-2	

Table 5 - Services PP acoustic pipe according to DIN 4102-B2 - Rigid Wall Construction [150mm min. thickness] wrap to be installed internally within the wall

Pipe Diameter (mm)	Pipe wall thickness range (mm)	Wrap Type	Classification
50	2.00	PPW50-2	EI 120 U/C
160	4.60	PPW160-2	
160	5.30	PPW160-2	E 120 C/U EI 60 C/U

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**Table 6 - Services PVC-U pipe - Rigid Wall Construction [150mm min. thickness]
wrap to be installed internally to both faces of the wall**

Pipe Diameter (mm)	Pipe wall thickness range (mm)	Wrap Type	Classification
50	3.20	PPW55-2	EI 120 U/C
82	3.20	PPW82-2	
110	3.20	PPW110-2	
160	3.20	PPW160-2	

**Table 7 - Services PVC-U pipe according to EN 1329-11 – Floor Construction [150mm min.thickness]
One wrap to be installed on the underside of the supporting construction**

Pipe Diameter (mm)	Pipe thickness (mm)	Wrap Type	Classification
55	3.20	PPW55-2	EI 120 – U/C EI 120 – C/C
82	3.20	PPW82-2	
110	3.20	PPW110-2	
160	3.20	PPW160-2	

**Table 8 - Services PVC-U pipe - Rigid Floor Construction [150mm min. thickness]
wrap to be positioned to soffit of floor**

Pipe Diameter (mm)	Pipe wall thickness range (mm)	Wrap Type	Classification
50	3.20	PPW55-2	EI 120 U/C
82	3.20	PPW82-2	
110	3.20	PPW110-2	
110	3.20	PPW160-2	

**Table 9 - Services HDPE pipe - Rigid Floor Construction [150mm min. thickness]
wrap to be positioned centrally with in the floor**

Pipe Diameter (mm)	Pipe wall thickness range (mm)	Wrap Type (mm)	Classification
90	2.80 - 8.20	60 x 4.75	EI 120 U/C
160	4.90 - 9.50	60 x 14	

**Table 10 - Services PP pipe - Rigid Floor Construction [150mm min. thickness]
wrap to be positioned centrally with in the floor**

Pipe Diameter (mm)	Pipe wall thickness range (mm)	Wrap Type (mm)	Classification
90	2.80 - 8.20	60 x 4.75	EI 120 U/C
160	4.90 - 9.10	60 x 14	

**Table 11 - Services PVC-U pipe - Rigid Floor Construction [150mm min. thickness]
wrap to be positioned centrally with in the floor**

Pipe Diameter (mm)	Pipe wall thickness range (mm)	Wrap Type (mm)	Classification
90	4.00 - 5.40	60 x 4.75	EI 120 U/C
160	6.20 - 9.50	60 x 14	

**Table 12 - Services PP acoustic pipe according to DIN 4102-B2 - Rigid Floor Construction [150mm min. thickness]
wrap to be positioned centrally with in the floor**

Pipe Diameter (mm)	Pipe wall thickness range (mm)	Wrap Type (mm)	Classification
50	2	60 x 4.75	EI 120 U/C
160	4.30	60 x 14	
160	5.30	60 x 14	EI 90 U/C

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Appendices

Pyroplex 400 Series Wraps

Table 1 - Services PVC-U pipe according to EN 1329-11 – Rigid Wall Construction [150mm min.thickness] Wrap to be installed on both sides of the supporting construction			
Pipe Diameter (mm)	Pipe thickness (mm)	Wrap Type	Classification
55	3.20	PPW55-4	EI 240 – U/C EI 240 – C/C
82	3.20	PPW82-4	
110	3.20	PPW110-4	EI 120 – U/C EI 120 – C/C
125	3.20	PPW125-4	
160	3.20	PPW160-4	

Table 2 - Services PVC-U pipe according to EN 1329-11 – Floor Construction [150mm min.thickness] One wrap to be installed on the underside of the supporting construction			
Pipe Diameter (mm)	Pipe thickness (mm)	Wrap Type	Classification
55	3.20	PPW55-4	EI 120 – U/C EI 120 – C/C
82	3.20	PPW82-4	
110	3.20	PPW110-4	
125	3.20	PPW125-4	EI 180 – U/C EI 180 – C/C
160	3.20	PPW160-4	

Table 3 - Services PVC-U pipe - Rigid Wall Construction [150mm min. thickness] wrap to be fixed to both faces of the wall			
Pipe Diameter (mm)	Pipe thickness (mm)	Wrap Type	Classification
55	3.20	PPW55-4	EI 240 U/C
82	3.20	PPW82-4	
110	3.20	PPW110-4	
125	3.20	PPW125-4	
160	3.20	PPW160-4	

Table 4 - Services PVC-U - Rigid Floor Construction [150mm min. thickness] wrap to be fixed to the soffit of the floor			
Pipe Diameter (mm)	Pipe thickness (mm)	Wrap Type	Classification
55	3.20	PPW55-4	EI 120 U/C
82	3.20	PPW82-4	
110	3.20	PPW110-4	
125	3.20	PPW125-4	EI 180 – U/C
160	3.20	PPW160-4	