

## DECLARATION OF PERFORMANCE

Pursuant of Directive 305/2011 (EU) Construction Products Regulation ETA – 13/0660  
Pyroplex CE Marked Intumescent Acrylic

**Declaration Number:** No. PYR/AW/002-27-06-2013  
**Prepared by:** Andy Walsh  
**Competence:** Technical Manager for Reddiplex Limited  
**Verification by:** Owen Boylan  
**Position:** Group Managing Director  
**Manufacturing Location:** Pyroplex Limited – A/001  
The Furlong  
Droitwich  
Worcestershire  
WR9 9BG  
United Kingdom  
**Date of Issue:** 27th June 2013  
**Issue Status:** 1

### Informative

This Declaration of Performance (DoP) has been prepared in accordance with the requirements of the journal Regulation (EU) No 305/2011 of the European Parliament and council of 9th March 2011 laying down the harmonised conditions for the marketing of construction products and repealing Council Directive 89/2011.

Council Directive 89/106 EEC of 21st December 1988 [repealed] on the approximation of laws and regulations and administrative provisions of Member states relating to construction products aimed to remove the barriers to trade in the field of construction products in order to enhance their free movement of goods in the internal market.

In order to achieve this objective, Directive 89/106 EEC provided for the establishment of harmonised standards for construction products and provided for the granting of European Technical Approvals. This declaration of performance has been prepared in accordance with European standard ETAG 026: Part 1: General and Part 2: Penetration Seals and compliant with the requirements given in the aforementioned EU Directive 305/2011.

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

Pyroplex CE Marked Intumescent Acrylic

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

**2.1** The product may be supplied in the following forms; 310ml Cartridges, 600ml foils and/or suitable containers ranging from 5 – 19 litres.

**2.2** In pursuant of Article 11(4) all products are identified with a product code and date of manufacture and are fully traceable to the material type. FPC tests, are performed in accordance with the Factory Production Control Plans (fpc), which are retained in the manufacturers technical file.

**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 – Penetration Seals**

The intended use of system Pyroplex CE Intumescent Acrylic is to reinstate the fire resistance performance of rigid wall and floor constructions where penetrated by various metal pipe services with and without combustible insulation and electrical cables.

**3.1.1** The specific elements of construction that the system Pyroplex CE Intumescent Acrylic may be used to provide a gap or joint seals are as follows:

**Rigid walls:** The wall must have a minimum thickness of 150 mm and comprise concrete, aerated concrete or masonry, with a minimum density of 650 kg/m<sup>3</sup>.

**Rigid floors:** The floor must have a minimum thickness of 150 mm and comprise aerated concrete or concrete with a minimum density of 650 kg/m<sup>3</sup>.

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

**3.1.2** The system Pyroplex CE Intumescent Acrylic may be used to provide a penetration seal with specific single insulated metal pipes, uninsulated metal pipes and with specific electrical cables, single or in a bunch.

**3.1.3** Apertures in the separating element shall be maximum 150mm diameter or 300mm x 300mm. The annular space/gap around the services shall be infilled with stone wool insulation material backing and Pyroplex CE Intumescent Acrylic Sealant. Blank seals (without services) are not permitted.

**3.1.4** Pipes shall be supported at maximum 350mm away from both sides of the wall constructions and from the upper face of floor constructions.

**3.1.5** European technical approval ETA-13/0660, with validity from 21.06.2013 to 31.01.2018

**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]

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

NOT APPLICABLE

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

NOT APPLICABLE

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

Declaration of Performance has been prepared in accordance with Guideline for European Technical Approval of Fire Stopping and Fire Sealing Products: ETAG 026 Part 1: "General" and Part 2 Penetration Seals"

**Notified laboratory UL International (UK) Limited – 0843**

**Certificate of Conformity: 0843-CPD-0148**

**9. Declared performance**

ETAG Clause	ETA Clause	Characteristic	Assessment of Characteristic (Declared Performance)
<b>Mechanical resistance and stability</b>			
		None	No relevant
<b>Safety in case of fire</b>			
2.4.1	2.1	Reaction to fire	Class F
2.4.2	2.2	Resistance to fire	Annex B
<b>Hygiene, health and environment</b>			
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
<b>Safety in use</b>			
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
<b>Protection against noise</b>			
2.4.9	2.9	Airborne sound insulation	No performance determined
2.4.10	2.4.10	Impact sound insulation	No performance determined
<b>Energy economy and heat retention</b>			
2.4.11	2.11	Thermal properties	No performance determined
2.4.12	2.12	Water vapour permeability	No performance determined
<b>General aspects relating to fitness for use</b>			
2.4.13	2.13	Durability and service ability	Z <sub>1</sub>

### Release of Dangerous substances (declaration)

Pyroplex Limited has presented a declaration that materials do not contain any substance of high concern with regards to REACH Regulations and are compliant with the requirement reference to <http://ec.europa.eu/enterprise/construction/cpd-ds/index.cfm>

In addition to the specific clauses relating to dangerous substances contained in this Declaration of Performance, there may be other requirements applicable to the products falling within its scope (e.g. transposed European legislation and national

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laws, regulations and administrative provisions). In order to meet the provisions of the Construction Products Directive, these requirements need also to be complied with, when and where they apply.

**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:**

**Andy Walsh**

**Owen Boylan**

**Responsibility:**

**Technical Manager**

**Managing Director**

**Place:**

**Pyroplex Limited, Droitwich, Worcestershire WR9 9BG**

**Date of Issue:**

**27<sup>th</sup> June 2013**

**Issue: 1**

### Annex A – Reference Documents

#### 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 3: "Linear Joint and Gap Seals"

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

Penetration Seals in Floors 150mm in thickness (min.)				
Aperture	Sealant configuration	Services	Position of services in penetration	Fire resistance (Classification)
100mm diameter	Component applied to both sides of the penetration to a minimum depth of 10mm. Backing medium 130mm depth of Stone Wool with a minimum measured density of (90 kg/m3)	Single bundle of 21 x 14mm diameter (3 - 1.5mm 2 copper core/steel armoured cables (BS7671-6944XLH)	Central	EI – 240 C/U EI – 120
150mm diameter	Component applied to both sides of the penetration to a minimum depth of 10mm. Backing medium 130mm depth of Stone Wool with a minimum measured density of (90 kg/m3)	Single bundle of 4 x 25mm diameter (4 x 16mm 2 copper/steel armoured cables (BS76721-6944XLH) *5 x 19mm diameter (4 x 6.0mm 2 core copper/steel armoured cables (BS7671-6944 LSH)	Central	E – 240 *EI – 90

Penetration Seals in Floors 150mm in thickness (min.)				
Aperture	Sealant configuration	Services	Position of services in penetration	Fire resistance (Classification)
300 x 300	Component applied to both sides of the penetration to a minimum depth of 10mm. Backing medium 130mm depth of Stone Wool with a minimum measured density of (90 kg/m3)	21 x 16mm diameter (3 x 6 copper core/steel armoured cables (BS7671-6944XLH) with 20mm separations	Central	E – 120
300 x 300	Component applied to both sides of the penetration to a minimum depth of 10mm. Backing medium 130mm depth of Stone Wool with a minimum measured density of (90 kg/m3)	Single bundle of 9 x 30mm diameter 4 x 25mm copper core, steel armoured cables - BS7671-6944XLH) (3 - 1.5mm 2 copper core/steel armoured cables (BS7671-6944XLH)	Central	EI – 60

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Penetration Seals in Floors 150mm in thickness (min.)				
Aperture	Sealant configuration	Services	Position of services in penetration	Fire resistance (Classification)
150mm diameter	Component applied to both sides of the penetration to a minimum depth of 10mm. Backing medium 130mm depth of Stone Wool with a minimum measured density of (90 kg/m3)	Single mild steel pipe 89mm diameter (3mm – 14.7mm wt)	Central	EI – 120 C/U EI – 240 C/U
150mm diameter	Component applied to both sides of the penetration to a minimum depth of 10mm. Backing medium 130mm depth of Stone Wool with a minimum measured density of (90 kg/m3)	Single copper or mild pipe 35mm diameter (1.2mm – 14.2mm wt). Provided with 500mm long 19mm Armaflex insulation (continuous or interrupted through the penetration)	Central	EI – 90 C/U

Penetration Seals in Rigid Walls 150mm in thickness (min.)				
Aperture	Sealant configuration	Services	Position of services in penetration	Fire resistance (Classification)
300 x 300	Component applied to both sides of the penetration to a minimum depth of 10mm. Backing medium 130mm depth of Stone Wool with a minimum measured density of (90 kg/m3)	Single mild steel pipe 89mm diameter (3mm – 14.7mm wt)	Central	EI – 120 C/U
300 x 300	Component applied to both sides of the penetration to a minimum depth of 10mm. Backing medium 130mm depth of Stone Wool with a minimum measured density of (90 kg/m3)	Single copper or mild pipe 35mm diameter (1.2mm – 14.2mm wt). Provided with 500mm long 19mm Armaflex insulation (continuous or interrupted through the penetration)	Central	EI – 90 C/U