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# CERTIFICATE OF APPROVAL

## No CF 355

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This is to certify that, in accordance with  
CERTIFIRE's Rules for Certification  
The undermentioned products of

### **PYROPLEX LIMITED**

The Furlong, Droitwich, Worcestershire, WR9 9BG  
Tel: 01905 795432 Fax: 01905 795757  
Web site: [www.pyroplex.com](http://www.pyroplex.com)

Have been assessed against the requirements of the Technical Schedule(s)  
denoted below and are approved for use subject to the conditions  
appended hereto:

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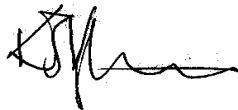
#### **CERTIFIED PRODUCT**

**Pyroplex intumescent  
seals (with optional  
smoke seals)**

#### **TECHNICAL SCHEDULE**

**TS35 – The Contribution Of  
Intumescent Seals To The Fire  
Resistance Of Pedestrian Type  
Door Assemblies (Issue 2)  
TS21 – The Contribution of  
Edge Seals to the Control of  
Smoke Leakage via Door  
Assemblies**

Signed and sealed for and on behalf of CERTIFIRE



Sir Ken Knight  
Chairman - Management Council

Issued: 2<sup>nd</sup> July 2004  
Re-issued: 3<sup>rd</sup> February 2010  
Valid to: 2<sup>nd</sup> February 2015

# CERTIFICATE No CF 355

## PYROPLEX LIMITED

### PYROPLEX INTUMESCENT SEALS WITH OPTIONAL SMOKE SEALS

1. Pyroplex intumescent seals comprise a range of PVC-encased, graphite based, intumescent seals with or without integral smoke seals.

This approval applies to the described seals of nominal dimensions 10 mm wide by 4 mm thick (but also includes seals of modified dimensions) in all variations of finish, both with and without integral smoke seals. The following table gives examples, however they are not absolute.

Pyroplex Intumescent Door Edge Seals – Flexible Seals	
Profile Size (mm)	Pyroplex Product Code
10mm x 2.5mm	8979
15mm x 2,5mm	8980

Pyroplex Intumescent Door Edge Seals – Rigid Box Seals Fire Only	
Profile Size (mm)	Pyroplex Product Code
10mm x 4mm	8500
15mm x 4mm	8700

Pyroplex Intumescent Door Edge Seals – Rigid Box Seals Fire and Smoke Seals		
Profile Size (mm)	Pyroplex Product Code	Seal Type
10mm x 4mm	8610	Pile with Fin
10mm x 4mm	8512	Pile Only
10mm x 4mm	8524	Single Flipper
10mm x 4mm	8523	Twin Flipper
10mm x 4mm	8923	Side Flipper
15mm x 4mm	8710	Pile with Fin
15mm x 4mm	8712	Pile Only
15mm x 4mm	8724	Single Flipper
15mm x 4mm	8723	Twin Flipper
15mm x 4mm	8924	Side Flipper

Pyroplex Intumescent Door Edge Seals – Hard Seals	
Profile Size (mm)	Pyroplex Product Code
10mm x 2.5mm	8507
15mm x 2.5mm	8490

Pyroplex Intumescent Door Edge Seals – Intumescent Strip	
Profile Size (mm)	Pyroplex Product Code
10mm x 2.5mm	8492
15mm x 2.5mm	8501
20mm x 2.5mm	30074
25mm x 2.5mm	30142
30mm x 2.5mm	30075



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## PYROPLEX LIMITED

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### PYROPLEX INTUMESCENT SEALS WITH OPTIONAL SMOKE SEALS

2. The door seals are approved on the basis of:
  - i) A design appraisal against TS35 and TS21
  - ii) Initial type testing
  - iii) Manufacturing frequency checks
  - iv) Ageing and durability tests
  - v) Evidence of technical support
  - vi) Clear and unambiguous labeling of seals
  - vii) Certification to ISO9001: 2008
  - viii) Inspection and surveillance of factory production control
  - ix) Ongoing audit tests in accordance with TS35
3. The suitability of the seals in door assemblies not certificated by CERTIFIRE should be established by reference to the certification, test reports or assessments relating to the particular door assembly.
4. Pyroplex graphite based intumescent seals may be used with doorsets outside of the scope given above (paragraph 3) providing the door manufacturer's certification shows acceptability.
5. The approved Pyroplex seals shall have nominal widths and cross-sectional areas of intumescent at least equal to those in the tested/approved door assembly and shall be similarly positioned.
6. The approval additionally certifies that the described integral smoke seal variants are suitable for use with door assemblies required to restrict smoke leakage at ambient temperatures as defined in BS 476: Part 31.1: 1983 and Appendix B of Approved Document B 'Fire Safety' to the Building Regulations 1991. The described integral smoke seals are applicable for use within single-acting, single-leaf FD20S and FD30S assemblies as detailed in the paragraph within section 9 below. The seals shall be uninterrupted around the head and vertical edges and may be installed either in the frame or the leaf.
7. The seals shall be installed in accordance with the manufacturers instructions.
8. The approval relates to on going production. Product and/or its immediate packaging is identified with the manufacturers' name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number (i.e No. CF 355) and application where appropriate.
9. These seals are suitable to be used with:

***CERTIFIRE approved FD30 single-acting, single leaf, latched or unlatched doorsets of maximum leaf dimensions 2040 mm high by 926 mm wide and of minimum thickness 42 mm. The doorset assemblies shall consist of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames (Code ITT). More information can be referred to in TS35.***

***The following specific CERTIFIRE approved doorsets:***



Certificate	FD	Max. Height (mm)	Max. Width (mm)	Max. Area (m <sup>2</sup> )	Configurations	Pyroplex Seal Size (mm)		
CF375	FD30	2472	982	2.00	SASL	1 off 10x4 positioned centrally		
CF385								
CF411								
CF415								
CF416								
CF451								
CF478								
CF486								
CF492								
CF540								
CF552								
CF713								
CF375	FD30	2512	1047	2.51	SASL & SADL	2 off 10x4 separated by 10 mm around the centre line		
CF385								
CF411								
CF415								
CF416								
CF451								
CF478								
CF486								
CF492								
CF540								
CF552								
CF713								
CF466			2684	1006		2.45		1 off 15x4 position centrally (2 off 10x4 separated by 10 mm at meeting edges)
CF561								
CF658								
CF467	FD60	2135	932	1.99	SASL	2 off 15x4 separated by 10 mm around the centre line		
CF539								
CF562								
CF659								
CF374								
CF403								
CF412								
CF417								
CF434								
CF450								
CF541								
CF553								
CF575								

**Note:** Maximum permitted values at dimensions greater than specified may be determined graphically by linear interpolation between the two data points for each configuration. Under no circumstances must either the maximum height, maximum width or maximum area be exceeded or the configuration changed without separate CERTIFIRE approval.

