



CERTIFICATE OF APPROVAL

No CF 355

This is to certify that, in accordance with
 TS00 General Requirements for Certification of Fire Protection Products
 The undermentioned products of

PYROPLEX LIMITED
 The Furlong, Droitwich, Worcestershire, WR9 9BG
 Tel: 01905 795432 Fax: 01905 795757
 Web site: 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:

CERTIFIED PRODUCT

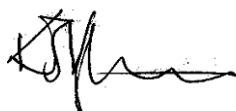
**Pyroplex intumescent seals
 (with optional smoke and
 acoustic control)**

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: 2nd July 2004
 Reissued: 5th March 2015
 Valid to: 4th March 2020

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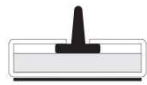
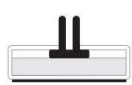

PYROPLEX INTUMESCENT DOOR EDGE SEALS – WITH OPTIONAL SMOKE AND ACOUSTIC CONTROL

1. This certificate of approval relates to the contribution of intumescent door edge seals to the fire resistance of pedestrian type door assemblies, for periods of 20/30 and 60 minutes fire, smoke resistance.

Pyroplex Rigid Box Seals

Pyroplex Rigid Box Seals comprise of a graphite based intumescent core encased within a PVC carrier. The seals are supplied with a high performance self adhesive strip in a range of cut lengths.

Pyroplex Rigid Box Seals are available as fire only systems, or with integral components for smoke and acoustic performance.

Dimension	 Fire Only (FO)	 Pile Only (PO)	 Pile with Fin (P+F)	 Single Flipper (SF)	 Twin Flipper (TF)	 Side Flipper (SDF)
10 x 4	8500	8512	8510	8524	8523	8923
15 x 4	8700	8712	8710	8724	8723	8924
20 x 4	8600	8612	8610	8624	8623	8925
25 x 4	8800	8812	8810			
30 x 4	30094	3009412	3009410			
38 x 4	30076	3007612	3007610			


Note: This approval applies to the described seals of nominal dimensions, but also includes seals of modified dimensions in all variations of finish, both with and without integral smoke seals. The table gives examples, however it is not absolute.

Pyroplex Rigid Box Seals can be supplied in a range of colours – Refer to Pyroplex Product Data Sheet.

Pyroplex Flexible Seals

Pyroplex Flexible Seals comprise of a graphite based intumescent core encapsulated in a polymer. The seals are supplied with a high performance self adhesive strip on continuous dispensing coils.

Pyroplex Flexible Seals are designed for fire only performance.

Dimension	
10 x 2.5	8979
10 x 4	8989
15 x 2.5	8980
20 x 2.5	8981
20 x 4	30112
25 x 2.5	8988
30 x 2.5	8986
40 x 2.5	8983

Note: This approval applies to the described seals of nominal dimensions, but also includes seals of modified dimensions in all variations of finish. The table gives examples, however it is not absolute.


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Pyroplex Intumescent Strips

Pyroplex Intumescent Strips are graphite based intumescent seals. The seals are supplied with a high performance self adhesive strip on continuous dispensing coils.

Pyroplex Intumescent Strip is designed for fire only performance.

Dimension	
10 x 2.5	8492
15 x 2	30163
20 x 2	30153
20 x 2.5	8921
25 x 2	30142
30 x 2	30075
30 x 2.5	8958
40 x 2.5	8456

Note: This approval applies to the described seals of nominal dimensions, but also includes seals of modified dimensions in all variations of finish. The tables table gives examples, however they are not absolute.

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.



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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, FD30S and FD60S assemblies as detailed in the paragraph within section 9 below.
7. The seals shall be installed in accordance with the manufacturers instructions.
8. The approval relates to on going production. Product 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).
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. Pyroplex intumescent seals are suitable for use on FD60 doorsets- see Approval matrix on page 5 of 5.



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The following specific CERTIFIRE approved doorsets:

Certificate	FD	Max. Height (mm)	Max. Width (mm)	Max. Area (m ²)	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	FD60	2684	1006	2.45	SASL	1 off 15x4 position centrally (2 off 10x4 separated by 10 mm at meeting edges)
CF561						
CF658						
CF467						
CF539						
CF562						
CF659						
CF374						
CF403						
CF412						
CF417						
CF434						
CF450	FD60	2135	932	1.99	SASL	2 off 15x4 separated by 10 mm around the centre line
CF541						
CF553						
CF575						
CF434						
CF450						
CF541						
CF553						
CF575						
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.