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## CERTIFICATE OF APPROVAL

### No CF 5822

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

## ASTROFLAME (FIRESEALS) LTD

Unit 8, The I.O Centre, Stephenson Road, Segensworth, Fareham,  
PO15 5RU  
TEL: 01329 844500

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

Astroflame "Astrostrip-F"  
intumescent door 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 Warringtonfire Testing and Certification Limited

Paul Duggan  
Certification Manager

Issued: 5<sup>th</sup> November 2019  
Re-issued: 29<sup>th</sup> March 2021  
Valid to: 28<sup>th</sup> March 2026



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## CERTIFICATE No CF 5822 ASTROFLAME (FIRESEALS) LTD

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### ASTROFLAME “ASTROSTRIP-F” INTUMESCENT DOOR SEALS WITH OPTIONAL SMOKE SEALS

1. **Rigid Seals**

Astroflame “Astrostrip-F” intumescent seals comprise a range of PVC-encased, graphite based intumescent seals with or without integral smoke seals. The seals are supplied with a self-adhesive backing in a range of different colours and lengths. This approval applies to the described seals of minimum dimensions 10 mm wide by 4 mm thick (for 30 minute applications) and minimum dimensions 15mm wide by 4mm thick (for 60 minute applications) or larger in all variations of finish both with and without integral seals. The following table gives examples, however they are not absolute:

Profile Dimension	Type
10 x 4mm	Fire Only
15 x 4mm	Fire Only
20 x 4mm	Fire Only
25 x 4mm	Fire Only
15 x 6mm	Fire Only
25 x 6mm	Fire Only
10 x 4mm	Fire and Smoke
15 x 4mm	Fire and Smoke
20 x 4mm	Fire and Smoke
25 x 4mm	Fire and Smoke
15 x 6mm	Fire and Smoke
25 x 6mm	Fire and Smoke

For further information please refer to the Astroflame “Astrostrip-F” product data sheet.



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### ASTROFLAME "ASTROSTRIP-F" INTUMESCENT DOOR SEALS WITH OPTIONAL SMOKE SEALS

#### Flexible Seals

Astroflame "Astrostrip-F" flexible intumescent seals are a graphite only seal supplied with a self-adhesive backing in various lengths that are designed for fire only applications. The following table gives examples, however they are not absolute:

Profile Dimension	Type
10 x 2mm	Fire Only
15 x 2mm	Fire Only
20 x 2mm	Fire Only
25 x 2mm	Fire Only
30 x 2mm	Fire Only
50 x 2mm	Fire Only

For further information please refer to the Astroflame "Astrostrip-F" product data sheet.

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 labelling of seals
  - vii) Certification of quality management system to ISO 9001:2015.
  - vii) Inspection and surveillance of factory production control
  - viii) Ongoing audit tests in accordance with TS35
  
3. These seals, of minimum dimensions 10 mm wide by 4 mm thick, 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.***





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#### ASTROFLAME “ASTROSTRIP-F” INTUMESCENT DOOR SEALS WITH OPTIONAL SMOKE SEALS

4. 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.
5. Astroflame “Astrostrip-F” 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.
6. **These seals are suitable to be used with CERTIFIRE approved single or double leaf, FD30, FD60, FD90 and FD120 doorsets or doorsets which have been previously tested (in accordance with BS 476: Part 22: 1987). In either case, the seals are suitable only for doors which have been specifically tested with the Astroflame seal. The seal size and configuration required in the relevant CERTIFIRE certificate or test report must be replicated. The doorset assemblies shall consist of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames (Code ITT).**
7. The approved Astroflame “Astrostrip-F” 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.
8. This certification is provided to the client for their own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
9. The seals shall be installed in accordance with the manufacturer’s instructions.
10. 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 5822) and application where appropriate.