certifire

CERTIFICATE OF APPROVAL
No CF 5822

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:

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: 5th November 2019
Reissued: 24th November 2025
Valid to: 28th March 2031

This certificate is the property of Warringtonfire Testing and Certification Limited
Registered in England and Wales
Registered Office: 3rd Floor, Davidson Building, 5 Southampton Street, London, WC2E 7HA. Company Registration No: 11371436

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ASTROFLAME (FIRESEALS) LTD

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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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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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. Within BS 9999, a fire door required to resist the passage of smoke at ambient temperature conditions should, when tested in accordance with BS 476-31.1 with the threshold taped and subjected to a pressure of 25 Pa, have a leakage not exceeding 3 $m^3/m/h$. The threshold gap should be sealed by a seal either with a leakage rate not exceeding $3m^3/m/h$ at 25 Pa when tested to BS 476-31.1 or just contacting the floor. Where this is impracticable the threshold gap should not exceed 3 mm at any point.

9. This approval certifies that the above smoke seal variants are suitable for use with single-acting, hinged, door assemblies required to restrict smoke leakage at ambient temperatures as defined in Appendix B of Approved Document B, 'Fire Safety' to the Building Regulations. It is applicable to latched and unlatched, single leaf and double leaf assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames with intumescent edge seals (Code ITT). It is only applicable to assemblies that have been approved, or have been shown by test, when installed within the frame reveal of single leaf doors only, to achieve the required period of fire resistance when fitted with the specific seals detailed in this report.

10. 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.

11. The seals shall be installed in accordance with the manufacturer's instructions.

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12. 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.

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