



CERTIFICATE OF APPROVAL

No CF 5820

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

SEALED TIGHT SOLUTIONS

Unit 1B & 1C, Princess Court, Low Prudhoe Industrial Estate
Prudhoe, Northumberland, NE42 6PL

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

CERTIFIED PRODUCT

ST1009 Smoke Seal
ST154FS Intumescent/Smoke Seal
ST154SBS Intumescent/Smoke Seal
ST154FO Intumescent Seal

TECHNICAL SCHEDULE

TS35 – The Contribution Of
Intumescent Seals To The
Fire Resistance Of
Pedestrian Type Door
Assemblies (Issue 4)

TS21 – The Contribution of
Edge Seals to the Control of
Smoke Leakage via Door
Assemblies (Issue 5)

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager



Issued: 2nd March 2020
Audit Frequency: Annually
Valid to: 1st March 2025



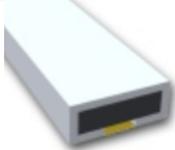
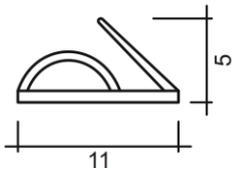
CERTIFICATE No CF 5820 SEALED TIGHT SOLUTIONS

Sealed Tight Solutions – Intumescent Seals, Smoke Seals and Intumescent/Smoke Seals

- Sealed Tight Solutions Limited's seals comprise a range including an intumescent seal, a smoke seal and combined intumescent and smoke seals. The intumescent seals contain nominally 2 mm thick intumescent strip, 2 mm less in width than the nominal overall seal thickness.

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.

This approval applies to the described intumescent seals of minimum dimensions 15 mm wide by 4 mm thick (but also includes seals of increased dimensions) in all variations of finish, both with and without integral smoke seals. This approval also applies to smoke only seals as detailed below. The following table provides details of the approved seal types::

Seal Type	Profile Dimensions	Product reference	Application
	15 mm x 4 mm	ST154FO	Fire Only
	15 mm x 4 mm	ST154FS	Fire / Smoke
	15 mm x 4 mm	ST154SBS	Fire / Smoke
		ST1009	Smoke Only

Signed
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SEALED TIGHT SOLUTIONS

Sealed Tight Solutions – Intumescent Seals, Smoke Seals and Intumescent/Smoke Seals

2. The door seals are approved on the basis of:
- A design appraisal against TS35 and TS21
 - Initial type testing
 - Manufacturing frequency checks
 - Ageing and durability tests
 - Evidence of technical support
 - Clear and unambiguous labeling of seals
 - Inspection and surveillance of factory production control
 - Certification of quality management system to ISO 9001
 - Ongoing audit tests in accordance with TS35
3. The intumescent Only (ST154FO) and Intumescent/Smoke seals (ST154FS and ST154SBS) seals, of minimum dimensions 15 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.***
4. The intumescent Only (ST154FO) and Intumescent/Smoke seals (ST154FS and ST154SBS) seals may be used with doorsets outside of the scope given above (clause 3) providing the door manufacturer's certification specifies these seals.
5. The suitability of the intumescent Only (ST154FO) and Intumescent/Smoke seals (ST154FS and ST154SBS) 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.
6. The approved seals shall have 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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SEALED TIGHT SOLUTIONS

Sealed Tight Solutions – Intumescent Seals, Smoke Seals and Intumescent/Smoke Seals

7. The approval additionally certifies that the described integral and standalone smoke seal variants (ST154FS, ST154SBS and ST1009) 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 2010. The described smoke seals are applicable for use within door assemblies as detailed in Section 3 above. The ST1009 smoke seal variant must not be interrupted and shall be fitted such that they bypass any door hardware e.g. around the hinges and at the latch position. The ST154FS and ST154SBS may be interrupted at the hinge/latch positions. All seals shall be installed in the door frame.
8. The seals shall be installed in accordance with the manufacturer's instructions.
9. The approval relates to on-going production. Product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.

Signed
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