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## CERTIFICATE OF APPROVAL

### No CF 387

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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

## INTUMESCENT SEALS

(A division of the Dixon International Group Ltd)

**Pampisford, Cambridge, CB22 3HG**  
**Tel: 01223 832758 Fax: 01223 837215**

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

Therm-A-Flex, Therm-A-Seal,  
Therm-A-Blade and Therm-  
A-Stop Intumescent Door  
Seals

Therm-A-Smoke, Therm-A-  
Blade and Therm-A-Stop  
Cold 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: 23<sup>rd</sup> September 2004  
Reissued: 5<sup>th</sup> June 2020  
Valid to: 4<sup>th</sup> June 2025





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## CERTIFICATE No CF 387

### INTUMESCENT SEALS

(A division of the Dixon International Group Ltd)

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**Therm-A-Flex, Therm-A-Seal, Therm-A-Blade and Therm-A-Stop Intumescent Door Seals**

**Therm-A-Smoke, Therm-A-Blade and Therm-A-Stop Cold Smoke Seals**

1. Therm-A-Flex, Therm-A-Seal, Therm-A-Blade and Therm-A-Stop intumescent door seals comprise a range of PVC-encased, Graphite based, intumescent seals with or without integral smoke seals (Therm-A-Smoke is a cold smoke only seal)

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 (as appropriate)

2. 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.

3. 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) On-going audit tests in accordance with TS35
- viii) Certification of quality management system to ISO 9001: 2008.
- ix) Inspection and surveillance of factory production control

4. 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.***

Signed  
E/167

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**INTUMESCENT SEALS**  
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**Therm-A-Flex, Therm-A-Seal, Therm-A-Blade and Therm-A-Stop Intumescent Door Seals**

**Therm-A-Smoke, Therm-A-Blade and Therm-A-Stop Cold Smoke Seals**

5. 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.
6. Therm-A-Flex, Therm-A-Seal, Therm-A-Blade and Therm-A-Stop seals may be used with doorsets outside the scope given in paragraph 4 providing the door manufacturer's certification shows acceptability.
7. The approved Therm-A-Flex, Therm-A-Seal, Therm-A-Blade and Therm-A-Stop 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. 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 2000. The described integral smoke seals are applicable for use within door assemblies as detailed in Section 3 above. The seals shall be uninterrupted around the head and vertical edges and may be installed either in the frame or the leaf.
9. When the fire seals include smoke seals, (Therm-A-Blade and Therm-A -Stop) the seals shall be fixed continuously around the head and vertical edges of the frame along the centre line of the door frame rebate, with a maximum interruption (at hardware positions) of 73 mm per metre length.
10. The seals shall be installed in accordance with the manufacturer's instructions.
11. 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 387) and application where appropriate.

**Further Information**

Further information regarding the details contained in this certificate may be obtained from Intumescent Seals (Tel: 01223 832 758)

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646 777)

Signed  
E/167

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