CERTIFICATE OF APPROVAL
No CF 387

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	TECHNICAL SCHEDULE
Therm-A-Flex, Therm-A-Seal, Therm-A-Blade and Therm-A-Stop Intumescent Door Seals	**TS35 – The Contribution Of Intumescent Seals To The Fire Resistance Of Pedestrian Type Door Assemblies (Issue 2)**
Therm-A-Smoke, Therm-A-Blade and Therm-A-Stop Cold Smoke Seals	**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 – Impartiality Committee

Issued: 23rd September 2004
Reissued: 1st June 2015
Valid to: 31st May 2020

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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 designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section D of the Technical Standards (Scotland) and Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.

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.

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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)

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