



CERTIFICATE OF APPROVAL

No CF 640

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

ASTROFLAME (FIRESEALS) LIMITED
Unit 8 The IO Centre, Stephenson Road, Segensworth, Fareham, Hampshire PO155RU

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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

**Astro Intumastic
(Intumescent Fire &
Acoustic Mastic)**

TECHNICAL SCHEDULE

**TS40 Linear Gap Sealing
Systems**

Signed and sealed for and on behalf of CERTIFIRE

Sir Ken Knight
Chairman - Management Council
Page 1 of 3

Issued: 18th August 2008
Valid to: 17th August 2013





CERTIFICATE No CF 640 ASTROFLAME (FIRESEALS) LTD

Astro Intumastic (Intumescent Fire & Acoustic Mastic)

1. This approval relates to the use of Astro Intumastic for the fire protection of movement joints within walls and floors. The detailed scope is given in the Approval Matrix included in this Certificate. This shows the thickness and acceptable services for Astro Intumastic Sealant required to provide fire resistance periods in accordance with BS 476: Part 20: 1987 of up to 240 minutes for wall/floor constructions.
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), 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 product is approved on the basis of:
 - i) Initial type testing
 - ii) Audit testing at the frequency specified in TS40
 - iii) A design appraisal against TS40
 - iv) Inspection and surveillance of factory production control
 - v) Certification of quality management system to ISO 9001: 2000
4. The concrete walls shall be at least 150mm thick and the floors at least 230mm thick and have at least the same fire rating as that required for the penetration seal.
5. Masonry and concrete gap faces will be within the density range of 450 to 2300kg/m³, and gap faces will be free from loose or flaking material.
6. Backing or support materials may be polyurethane or polyurethane foam, mineral or ceramic fibre insulation.
7. The approval relates to ongoing 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 and application where appropriate.

Further information regarding the details contained in this data sheet may be obtained from Astroflame Fireseals Ltd on 01329 844500.

Further information regarding the CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).



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ASTROFLAME (FIRESEALS) LTD

Astro Intumastic (Intumescent Fire & Acoustic Mastic) - Approval Matrix

Wall and Floor Installations						
Product Name		Astro Intumastic				
Configuration		Max. Joint Width (mm)	Minimum Seal Depth (mm)	Backing Material	Integrity (mins)	Insulation (mins)
Wall Constructions	Autoclaved aerated concrete/autoclaved aerated concrete	20	10	Polyethylene 30 mm diameter	300	300
	Autoclaved aerated concrete/autoclaved aerated concrete	30	15	Polyethylene 40 mm diameter	300	210
	Autoclaved aerated concrete/autoclaved aerated concrete	40	20	Polyethylene 50 mm diameter	300	210
	Autoclaved aerated concrete/autoclaved aerated concrete	50	25	Polyethylene 60 mm diameter	300	210
	Brick/Autoclaved aerated concrete	15	10	Polyethylene 20 mm diameter	240	0
	Brick/autoclaved aerated concrete	25	10	Polyethylene 30 mm diameter	240	30
	Steel/ aerated blockwork	30	15	Polyethylene 40 mm diameter	300	90
	Steel/ aerated blockwork	50	25	Ethafoam 50 mm diameter	60	30
	Hardwood/ aerated blockwork	50	25	Ethafoam 50 mm diameter	60	60
	Softwood/ aerated blockwork	25	12	Ethafoam 30 mm diameter	30	30
Floor Constructions	Aerated concrete/ aerated concrete	20	10	Polyethylene 30 mm diameter	300	120
	Aerated concrete/ aerated concrete	30	15	Polyethylene 40 mm diameter	300	60
	Aerated concrete/ aerated concrete	40	20	Polyethylene 50 mm diameter	300	60
	Aerated concrete/ aerated concrete	50	25	Polyethylene 60 mm diameter	300	210
	Softwood/ aerated concrete	25	12	Ethafoam 30 mm diameter	30	30
	Hardwood/ aerated concrete	50	25	Ethafoam 50 mm diameter	30	30
	Steel/ aerated concrete	50	25	Ethafoam 50 mm diameter	60	60
Application Technique	For good adhesion the surfaces of the building element shall be free of any dust or grease and be suitably primed.					
Resistance to Smoke:	Not evaluated by this approval	Weather Capability:			Not evaluated by this approval	
Acoustic Rating:	R _w 38 (-2;-7) in accordance with BS EN ISO 717-1: 1997	Movement Capability:			Not evaluated by this approval	