



CERTIFICATE OF APPROVAL
No CF 584

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

**FIRETHERM INTUMESCENT & INSULATION
SUPPLIES LIMITED**

**Unit F, Acorn Industrial Park, Crayford Rd, Crayford, Kent
DA1 4FT**

Tel: 01322 551010 Fax: 01322 552727

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

Intuband

TECHNICAL SCHEDULE

**TS03 Penetration Sealing
Systems**

Signed and sealed for and on behalf of CERTIFIRE

Sir Ken Knight
Chairman - Management Council

Issued: 14th May 2008
Revised: 8th June 2009
Valid to: 13th May 2013

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Only valid when authentic
CERTIFIRE Seal is in place



CERTIFICATE No CF 584
FIRETHERM LIMITED

Intuband

1. This approval relates to the use of Intuband pipe closure devices for fire protection where there are services penetrating walls and floors. The detailed scope is given in the Approval Matrix included in this Certificate. This shows the thickness and acceptable services for Intuband required to provide fire resistance periods in accordance with BS 476: Part 20: 1987 of up to 120 minutes for differing services and wall constructions.
2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section 2 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:
 - iv) Initial type testing
 - v) Audit testing at the frequency specified in TS03
 - iii) A design appraisal against TS03
 - vi) Inspection and surveillance of factory production control
 - vii) Certification to ISO 9001:2000
4. The masonry or concrete walls and floors shall be at least 150 mm thick and have at least the same fire rating as that required for the penetration seal.
5. The services which may be fitted through the seals are PVC and HDPE pipes, as detailed within the Approval Matrix included in this Certificate.
6. 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.



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FIRETHERM LIMITED

Intuband

Approval Matrix - Up To 120 Minute Walls

Product Name:		Intuband		
Coating / DFT:		N/A		
Density:		N/A		
PVC Pipe Size (up to)	Wrap size	Wall Thickness	Integrity	Insulation
55 mm Ø by 3.0 mm wall thickness	2 x 4 mm thick layers by 60 mm long	150 mm	120 minutes	120 minutes
82 mm Ø by 3.0 mm wall thickness	2 x 4 mm thick layers by 100 mm long			
110 mm Ø by 3.2 mm wall thickness	3 x 4 mm thick layers by 60 long			
160 mm Ø by 3.2 mm wall thickness	2 off 4 x 4 mm thick layers by 60 mm long			
160 mm Ø by 4.0 mm wall thickness	3 x 4 mm thick layers by 100 mm long			
HDPE Pipe Size (up to)	Wrap size			
56 mm Ø by 3.0 mm wall thickness	2 x 4 mm thick layers by 60 long			
Walls	The walls shall be a minimum of 150 mm thick. The minimum density for the concrete or brick of the wall is 780kg/m ³ and for walls made of concrete blocks is 600kg/m ³ . All concrete or masonry shall have at least the same fire rating as that required for the barrier.			
Application Technique:	Concrete/masonry walls: The wrap is folded around the pipe and slid along the pipe into the wall aperture to mid-depth or flush to both faces of the wall where 2 off wraps are required. The wall aperture should be 20 – 25 mm oversize relative to the pipe diameter			
Service Coat-Back :	Not required	U Value:	Not known	
Service Support Requirements:	Services should be rigidly supported via steel angles, hangars or channels, not further than 150 mm and 450 mm from the surface of the sealing system on both faces.			
Resistance to Smoke:	Not evaluated by this approval	Weather Capability:	Not evaluated by this approval	
Acoustic Rating:	Not evaluated by this approval	Movement Capability:	Not evaluated by this approval	



CERTIFICATE No CF 584
FIRETHERM LIMITED

Intuband

Approval Matrix - Up To 120 Minute Floors

Product Name:	Intuband			
Coating / DFT:	N/A			
Density:	N/A			
PVC Pipe Size (up to)	Wrap size	Floor Thickness	Integrity	Insulation
110 mm Ø by 3.2 mm wall thickness	3 x 4 mm thick layers by 60 long	150 mm	120 minutes	120 minutes
160 mm Ø by 4.2 mm wall thickness	4 x 4 mm thick layers by 60 mm long			
Floors	The floors shall be a minimum of 150 mm thick. The minimum density for the concrete floor is 780kg/m ³ All concrete floors shall have at least the same fire rating as that required for the penetration seal.			
Application Technique:	Concrete floors: The wrap is folded around the pipe and slid along the pipe into the floor aperture to flush with the soffit of the floor. The floor aperture should be 20 – 25 mm oversize relative to the pipe diameter. Firetherm 'Intumastic Plus Red' sealant is used to seal around the pipe on the upper face of the floor, to a depth of 6 mm.			
Service Coat-Back :	Not required		U Value:	Not known
Service Support Requirements:	Services should be rigidly supported via steel angles, hangars or channels, not further than 150 mm and 450 mm from the surface of the sealing system on both faces.			
Resistance to Smoke:	Not evaluated by this approval	Weather Capability:	Not evaluated by this approval	
Acoustic Rating:	Not evaluated by this approval	Movement Capability:	Not evaluated by this approval	