



CERTIFICATE OF APPROVAL
No CF 583

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

**Intustrap High Pressure
Intumescent Sheet**

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 583
FIRETHERM LIMITED

Intustrap High Pressure Intumescent Sheet

1. This approval relates to the use of Intustrap High Pressure Intumescent Sheet 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 Intustrap High Pressure Intumescent Sheet 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 copper and steel pipes including insulation material (lagging), 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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Intustrap High Pressure Intumescent Sheet

Approval Matrix - Up To 120 Minute Walls

Product Name:		Intustrap High Pressure Intumescent Sheet			
Coating / DFT:		N/A			
Density:		N/A			
Copper Pipe Size	Pipe insulation	Wrap size	Aperture diameter	Integrity	Insulation
22 mm Ø	30 mm thick foil covered phenolic foam	2 x 4 mm thick layers/100 mm long	105 mm	120 minutes	120 minutes
	30 mm thick foil covered stone wool	2 x 4 mm thick layers/60 mm long	105 mm		
	30 mm thick foil covered glass wool	2 x 4 mm thick layers/60 mm long	100 mm		
	16 mm thick Armstrong Armaflex	2 x 4 mm thick layers/60 mm long	85 mm		
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 insulation and slid along the pipe into the wall aperture to mid-depth.				
Insulation length:	Continuous				
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	



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Intustrap High Pressure Intumescent Sheet

Approval Matrix - Up To 120 Minute Floors

Product Name:		Intustrap High Pressure Intumescent Sheet			
Coating / DFT:		N/A			
Density:		N/A			
Steel Pipe Size	Pipe insulation	Wrap size	Aperture diameter	Integrity	Insulation
165 mm Ø	50 mm thick foil covered glass wool	2 x 4 mm thick layers/60 mm long	210 mm	120 minutes	120 minutes
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 barrier.				
Application Technique:	Concrete/masonry floors: The wrap is folded around the pipe insulation and slid along the pipe into the floor aperture to flush with the soffit of the floor.				
Insulation length:	Continuous				
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	