



CERTIFICATE OF APPROVAL
No CF 654

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

Intucollar

TECHNICAL SCHEDULE

**TS03 Penetration Sealing
Systems**

Signed and sealed for and on behalf of CERTIFIRE

Sir Ken Knight
Chairman - Management Council

Issued: 3rd November 2008
Revised: 17th July 2009
Valid to: 2nd November 2013

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Only valid when authentic
Seal is in place
CERTIFIRE



**CERTIFICATE No CF 654
FIRETHERM INTUMESCENT &
INSULATION SUPPLIES LIMITED**

Intucollar

1. This approval relates to the use of Intucollar pipe closure devices for fire protection where there are services penetrating walls. The detailed scope is given in the Approval Matrix included in this Certificate. This shows the collar size and acceptable services for Intucollar required to provide fire resistance periods in accordance with BS 476: Part 20: 1987 of up to 120 minutes.
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) Production surveillance under ISO 9001: 2000
4. The masonry or concrete walls 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.



**CERTIFICATE No CF 654
FIRETHERM INTUMESCENT &
INSULATION SUPPLIES LIMITED**

Intucollar

Approval Matrix - Up To 120 Minute Walls

Product Name:		Intucollar		
Coating / DFT:		N/A		
Density:		N/A		
PVC Pipe Size	Collar Reference	Minimum Wall Thickness	Integrity	Insulation
55 mm Ø by 3.0 mm wall thickness	Intucollar 55 mm	150 mm	120 minutes	120 minutes
82 mm Ø by 3.0 mm wall thickness	Intucollar 82 mm			
110 mm Ø by 3.2 - 4.0 mm wall thickness	Intucollar 110 mm			
160 mm Ø by 4.0 mm wall thickness	Intucollar 160 mm			
200 mm Ø by 7.7 mm wall thickness	Intucollar 200 mm			
HDPE Pipe Size (up to)	Collar Reference			
55 mm Ø by 3.0 mm wall thickness	Intucollar 55 mm			
75 mm Ø by 3.0 mm wall thickness	Intucollar 82 mm			
110 mm Ø by 6.2 mm wall thickness	Intucollar 110 mm			
160 mm Ø by 6.2 mm wall thickness	Intucollar 160 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 penetration seal.			
Application Technique:	Concrete/masonry walls: The collars are closed and locked around the pipe on both faces of the wall and fixed to the wall with the steel fixings supplied. The wall aperture should be no greater than 7 mm diameter 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 654
FIRETHERM INTUMESCENT &
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Intucollar

Approval Matrix - Up To 120 Minute Floors

Product Name:	Intucollar			
Coating / DFT:	N/A			
Density:	N/A			
PVC Pipe Size	Collar Reference	Minimum Wall Thickness	Integrity	Insulation
110 mm Ø by 3.2 mm wall thickness	Intucollar 110 mm	150 mm	120 minutes	120 minutes
160 mm Ø by 4.2 mm wall thickness	Intucollar 160 mm			
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/masonry floors: The collars are closed and locked around the pipe on the soffit face of the floor and fixed to the floor with the steel fixings supplied. The floor aperture should be no greater than 7 mm diameter oversize relative to the pipe diameter and should be sealed on the upper surface with Firetherm 'Intumastic Plus Red', 6 mm deep.			
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	