



CERTIFICATE OF APPROVAL
No CF 579

This is to certify that, in accordance with
CERTIFIRE's Rules for Certification
The undermentioned products of

FIRETHERM 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

Intucompound Mortar

TECHNICAL SCHEDULE

**TS03 Penetration Sealing
Systems**

Signed and sealed for and on behalf of CERTIFIRE

Sir Ken Knight
Chairman - Management Council

Issued: 6th February 2008
Valid to: 5th February 2013

Page 1 of 4



Seal is in place Only valid when authentic CERTIFIRE



CERTIFICATE No CF 579
FIRETHERM LIMITED

Intucompound Mortar

1. This approval relates to the use of Intucompound Mortar for the fire protection where there are services penetrating walls & floors. The detailed scope is given in the Approval Matrix included in this Certificate. This shows the thickness and acceptable services for Intucompound Mortar required to provide fire resistance periods in accordance with BS 476: Part 20: 1987 of up to 240 minutes for differing services and 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 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. The concrete 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 cable ladders, cables and steel ducts, 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 579
FIRETHERM LIMITED

Intucompound Mortar

Approval Matrix - Up To 240 Minute Walls

Product Name:	Intucompound Mortar		
Seal depth	Service	Integrity	Insulation
100 mm	Cable Ladder (150 mm wide by 15 mm high max.)	240 minutes	180 minutes
	PVC sheathed copper core cables 16 mm diameter		
	PVC sheathed copper core cables 23 mm diameter		
Maximum aperture:	600 mm high by 600 mm wide Multiple apertures must be separated by a minimum of 200 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 walls shall have at least the same fire rating as that required for the barrier.		
Application Technique:	Concrete/masonry walls: The Intucompound Mortar is supplied as a dry powder which is mixed with water to create a stiff mortar. The mortar is infilled into the pre-shuttered aperture, around the services to a thickness of 100 mm. Services should not be added after installation.		
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 460 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 579
FIRETHERM LIMITED

Intucompound Mortar

Approval Matrix - Up To 240 Minute Floors

Product Name:		Intucompound Mortar	
Seal depth	Service	Integrity	Insulation
75 mm	Cable Ladder (150 mm wide by 15 mm high max.)	120 minutes	90 minutes
	PVC sheathed copper core cables 16 mm diameter		
	PVC sheathed copper core cables 23 mm diameter		
100 mm	200 x 200 mm steel duct with damper	240 minutes	120 minutes
Maximum aperture:	700 mm long by 600 mm wide Multiple apertures must be separated by a minimum of 200 mm		
Floors	The floors shall be a minimum of 150 mm thick. All concrete or aerated concrete floors shall have at least the same fire rating as that required for the barrier.		
Application Technique:	Concrete/masonry walls: The Intucompound Mortar is supplied as a dry powder which is mixed with water to create a stiff mortar. The mortar is infilled into the pre-shuttered aperture, around the services to a thickness of 75 or 100 mm. Services should not be added after installation.		
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 460 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