CERTIFICATE OF APPROVAL
No CF 426

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

PROMAT UK LTD

The Sterling Centre, Eastern Road, Bracknell, Berkshire, RG12 2TD
Tel: 01344 381 300 Fax: 01344 381 301

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	TECHNICAL SCHEDULE
Promaseal Fire Barrier	**TS03 Penetration Sealing Systems**

Signed and sealed for and on behalf of CERTIFIRE

Sir Ken Knight
Chairman - Management Council

Issued: 18th July 2006
Reissued: 29th May 2012
Valid to: 10th April 2017

Only valid when authenticCERTIFIRE Seal is in place

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PROMAT UK LTD

Promaseal Fire Barrier

1. This approval relates to the use of Promaseal Fire Barrier for the fire protection where services are penetrating walls. The detailed scope is given in the Approval Matrix included in this Certificate. This shows the thickness and acceptable services for Promaseal Fire Barrier required to provide fire resistance periods in accordance with BS 476: Part 20: 1987 of up to 240 minutes for differing services and wall constructions and up to 120 minutes for floor constructions. The scope of this certification complies with the guidelines stated in the ASFP Redbook: 3rd Edition for 3rd party certification schemes.

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:

   i) Initial type testing
   ii) Audit testing at the frequency specified in TS03
   iii) A design appraisal against TS03
   iv) Inspection and surveillance of factory production control

4. The stud partition drywalls, masonry or concrete walls shall be at least 130 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, pipes and 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.

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CERTIFICATE No CF 426
PROMAT UK LTD

Promaseal Fire Barrier

Approval Matrix - Up To 60 Minute Walls

Product Name:	Promaseal Fire Barrier
Coating / DFT:	Promaseal Fire Barrier Coating/1 mm
Density:	140 kg/m^3 minimum

Barrier	Service	Integrity	Insulation
Single layer (50 mm)	Cable Ladder (340 mm wide by 100 mm high max.)	60 minutes	60 minutes
	Cables up to 26 mm diameter	60 minutes	N/A
	Steel pipes up to 60 mm diameter	60 minutes	30 minutes
	PVC pipes up to 110 mm diameter*	60 minutes	N/A
	Steel ducts (445 mm wide by 445 mm high max.)	60 minutes	N/A

* PVC pipes must be used in conjunction with Promaseal Pipewraps over sealed with ablative coating

Maximum aperture:	2880 mm high by 2400 mm/2400 mm high by 2880 mm wide (maximum area 6.91m^2). Multiple apertures must be separated by a minimum of 400 mm in drywalls and 240 mm in concrete/masonry constructions.
Walls	The walls shall be a minimum of 66 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. Partition drywalls will comprise at least 1 layer of minimum 12.5 mm thick Type 'F' gypsum board on each side of minimum 70 mm by 32 mm steel studs. Supalux steel stud drywalls as specified in Certificate of Approval CF420A will comprise at least 1 layer of minimum 9 mm thick Supalux board on each side of minimum 48 mm by 35 mm steel studs. For further details of this construction CF420A should be consulted. All concrete, masonry or drywalls shall have at least the same fire rating as that required for the barrier.
Application Technique:	**Concrete/masonry walls**: Board joints and the board to aperture junction is sealed with Promaseal Intumescent Acrylic Sealant or Promaseal Fire Barrier Coating. Apertures for penetrating items are to be tightly fitting and be sealed with Promaseal Intumescent Acrylic Sealant or Promaseal Fire Barrier Coating and must be separated by at least 400 mm. **Gypsum Drywalls:** As above and additionally the aperture must be formed from track sections and be lined with a layer of 12.5 mm thick Type 'F' gypsum board. **Supalux Drywalls:** As above and Apertures must be formed from track sections and be lined with a layer of minimum 9 mm thick Supalux board.

Service Coat-Back :	Not required	**U Value:**	Not known
Service Support Requirements:	Services should be rigidly supported via steel angles, hangers or channels, not further than 500 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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CERTIFICATE No CF 426
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Promaseal Fire Barrier

Approval Matrix - Up To 120 Minute Walls

Product Name:	Promaseal Fire Barrier			
Coating / DFT:	Promaseal Fire Barrier Coating/1 mm			
Density:	140 kg/m^3 minimum			
Barrier	**Service**		**Integrity**	**Insulation**
Single layer (50 mm)	Cable Ladder (340 mm wide by 100 mm high max.)		120 minutes	60 minutes
	Cables up to 26 mm diameter		120 minutes	N/A
	Steel pipes up to 60 mm diameter		120 minutes	N/A
	PVC pipes up to 110 mm diameter*		60 minutes	N/A
	Steel ducts (445 mm wide by 445 mm high max.)		120 minutes	N/A
Double layer (100 mm)	Cable Ladder (340 mm wide by 100 mm high max.)		120 minutes	60 minutes
	Cables up to 26 mm diameter		120 minutes	60 minutes
	Steel pipes up to 60 mm diameter		120 minutes	30 minutes
	PVC pipes up to 110 mm diameter*		60 minutes	N/A
	Steel ducts (445 mm wide by 445 mm high max.)		120 minutes	N/A
* PVC pipes must be used in conjunction with Promaseal Pipewraps over sealed with ablative coating				
Maximum aperture:	2400 mm high by 1200 mm (120 minutes integrity performance) 2880 mm high by 1440 mm (60 minutes integrity performance) Multiple apertures must be separated by a minimum of 400 mm in drywalls and 240 mm in concrete/masonry constructions.			
Walls	The walls shall be a minimum of 130 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. Partition drywalls will comprise at least 2 layers of 15 mm thick Type 'F' gypsum boards on each side of minimum 70 mm by 32 mm steel studs. All concrete, masonry or drywalls shall have at least the same fire rating as that required for the barrier.			
Application Technique:	**Concrete/masonry walls**: Board joints and the board to aperture junction is sealed with Promaseal Intumescent Acrylic Sealant or Promaseal Fire Barrier Coating. Apertures for penetrating items are to be tightly fitting and be sealed with Promaseal Intumescent Acrylic Sealant or Promaseal Fire Barrier Coating and must be separated by at least 400 mm. **Drywalls:** As above and additionally the aperture must be formed from track sections and be lined with two layers of 15 mm thick Type 'F' gypsum boards.			
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 500 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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CERTIFICATE No CF 426
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Promaseal Fire Barrier

Approval Matrix - Up To 240 Minute Walls

Product Name:	Promaseal Fire Barrier			
Coating / DFT:	Promaseal Fire Barrier Coating/1 mm			
Density:	140 kg/m^3 minimum			
Barrier	**Service**		**Integrity**	**Insulation**
Single layer (50 mm)	Cable Ladder (340 mm wide by 100 mm high max.)		240 minutes	N/A
	Cables up to 20 mm diameter		240 minutes	N/A
	Areas of seal without services		240 minutes	60 minutes
Double layer (100 mm)	Cable Ladder (340 mm wide by 100 mm high max.)		240 minutes	60 minutes
	Cables up to 20 mm diameter		240 minutes	60 minutes
	Areas of seal without services		240 minutes	240 minutes
Maximum aperture:	1000 mm high and 660 mm wide subject to a maximum area of 0.6 m^2. Multiple apertures must be separated by a minimum of 240 mm in concrete/masonry constructions.			
Walls	The walls shall be a minimum of 140 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**: Board joints and the board to aperture junction is sealed with Promaseal Intumescent Acrylic Sealant or Promaseal Fire Barrier Coating. Apertures for penetrating items are to be tightly fitting and be sealed with Promaseal Intumescent Acrylic Sealant or Promaseal Fire Barrier Coating and must be separated by at least 240 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 500 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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CERTIFICATE No CF 426
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Promaseal Fire Barrier

Approval Matrix - Up To 120 Minute Floors

Product Name:	Promaseal Fire Barrier			
Coating / DFT:	Promaseal Fire Barrier Coating/1 mm			
Density:	140 kg/m^3 minimum			
Barrier	**Service**		**Integrity**	**Insulation**
Double layer (100 mm)	Cable Ladder (340 mm wide by 100 mm high max.)		120 minutes	60 minutes
	Cables up to 20 mm diameter		120 minutes	60 minutes
	Areas of seal without services		120 minutes	120 minutes
Maximum aperture:	1200 mm long and 600 mm wide subject to a maximum area of 0.72 m^2. Multiple apertures must be separated by a minimum of 240 mm in concrete constructions.			
Floors	The floors shall be a minimum of 115 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 floors**: Board joints and the board to aperture junction is sealed with Promaseal Intumescent Acrylic Sealant or Promaseal Fire Barrier Coating. Apertures for penetrating items are to be tightly fitting and be sealed with Promaseal Intumescent Acrylic Sealant or Promaseal Fire Barrier Coating and must be separated by at least 240 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 500 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

Further Information

Further information regarding the details contained in this data sheet may be obtained from **Promat UK Ltd (Tel: 01344 381 300)**.

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777, website: www.warringtonfire.net)

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