



---

**CERTIFICATE OF APPROVAL**  
**No CF 427**

---

This is to certify that, in accordance with  
CERTIFIRE's Rules for Certification  
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**

**Promaseal Fire Pillows**

**TECHNICAL SCHEDULE**

**TS03 Penetration Sealing Systems**

**Signed and sealed for and on behalf of CERTIFIRE**

Kenneth J Knight  
Chairman - Management Council

Issued: 13<sup>th</sup> April 2006  
Valid to: 12<sup>th</sup> April 2011

Page 1 of 3



Only valid when authentic  
Seal is in place  
CERTIFIRE



---

**CERTIFICATE No CF 427**  
**PROMAT UK LTD**

---

**Promaseal Fire Pillow**

1. This approval relates to the use of Promaseal Fire Pillow for the fire protection where services are 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 Promaseal Fire Pillow required to provide fire resistance periods in accordance with BS 476: Part 20: 1987 of up to 120 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 D 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
  - v) Production surveillance under ISO 9001:2000
4. The concrete floors and/or masonry or concrete walls shall be at least as thick as the sealing system as shown in the Approval matrix 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 cables ladders of various sizes and communication cables.
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.

**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).



**CERTIFICATE No CF 427**  
**PROMAT UK LTD**

**Promaseal Fire Pillows - Approval Matrix**

<b>Product Name:</b>		Promaseal Fire Pillows				
<b>Coating / WFT:</b>		Not applicable				
<b>Density:</b>		Not applicable				
Orientation	Services	Integrity/ Insulation	Required Pillow Thickness For Fire Resistance Period (minimum)			
			30 mins	60 mins	90 mins	120 mins
Floor	No	Int. & Ins.	150 mm	150 mm	200 mm	200 mm
	Yes	Int. & Ins.	150 mm	200 mm	250 mm	300 mm
	Yes	Int. only	150 mm	150 mm	200 mm	200 mm
Wall	No	Int. & Ins.	150 mm	180 mm	250 mm	300 mm
	Yes	Int. & Ins.	150 mm	200 mm	250 mm	300 mm
	Yes	Int. only	180 mm	180 mm	250 mm	300 mm
<b>Penetrating Services:</b>		Cable ladders and communication cables				
<b>Maximum aperture:</b>		1000 mm by 1000 mm				
<b>Wall/floor thickness:</b>		The floors and walls shall be a minimum of 100mm thick for periods of up to 60 minutes fire resistance and 150 mm (floor) and 200 mm (wall) thick for periods of 90 minutes and 120 minutes fire resistance. The minimum density for the concrete of the floor or wall is 780kg/m <sup>3</sup> and for walls made of concrete blocks is 600kg/m <sup>3</sup> .				
<b>Application Technique:</b>		<b>Floors:</b> Steel mesh (50 mm square with 5 mm wire) is mechanically fixed either to the soffit of the floor or within the reveal of the aperture via vertical returns at the edges of the mesh. The fire pillows are tightly packed into the opening and around the services. <b>Walls:</b> The fire pillows are tightly packed into the opening and around the services (no mesh is required).				
<b>Service Coat-Back :</b>		Not required			<b>U Value:</b>	Not known
<b>Service Support Requirements:</b>		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.				
<b>Resistance to Smoke:</b>		Not evaluated by this approval		<b>Weather Capability:</b>	Not evaluated by this approval	
<b>Acoustic Rating:</b>		Not evaluated by this approval		<b>Movement Capability:</b>	Not evaluated by this approval	