



CERTIFICATE OF APPROVAL

No CF 5367

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

FSI LIMITED

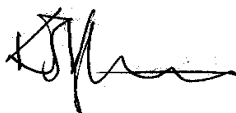
**Westminster Industrial Estate, Tamworth Road,
 Measham, DE12 7DS
 Tel: 01530 515130**

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
PipeBloc PCP

TECHNICAL SCHEDULE
**TS03 Penetration Sealing
 Systems**

Signed and sealed for and on behalf of CERTIFIRE



Sir Ken Knight
 Chairman
WCL Impartiality Committee



Paul Duggan
 Certification Manager
Warrington Certification Ltd



Issued: 9th September 2015
 Valid to: 8th September 2020

Page 1 of 8





CERTIFICATE No CF 5367

FSI LIMITED

1. This approval relates to the use of PipeBloc PCP 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 PipeBloc PCP required to provide fire resistance periods in accordance with BS EN 1366-3: 2009 of up to 240 minutes for differing services and substrate constructions. The scope of certification complies with the guidelines stated in the ASFP Red Book: 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 walls shall be at least 100 mm thick and have at least the same fire rating as that required for the penetration seal. The 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 PVC, ABS, PP and HDPE pipes of various sizes, 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.

Further Information

Further information regarding the details contained in this data sheet may be obtained from FSi Limited (Tel: 01530 515130).

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

CERTIFICATE No CF 5367
FSI LIMITED

PipeBloc PCP- Approval Matrix Floors 150mm

Product Name:		PipeBloc PCP Installed Underside 150mm thick Rigid Floor		
Penetration Specification (PVC-U Pipes)	Collar Ref PipeBloc PCP	Intumescent Material (mm)	Integrity	Insulation
32mm ø 1.8mm wall thickness	32mm	30 x 4	240 mins	240 mins
40mm ø 1.8mm wall thickness	40mm			
50mm ø 1.8mm wall thickness	50mm			
55mm ø 2.3 - 3mm wall thickness	55mm	30 x 6		
63mm ø 2.3 - 3mm wall thickness	63mm			
75mm ø 3.1 – 4.8mm wall thickness	75mm	30 x 8		
82mm ø 3.1 – 4.8mm wall thickness	82mm			
90mm ø 4.2 – 7.4mm wall thickness	90mm	30 x 10		
100mm ø 4.2 – 7.4mm wall thickness	100mm			
110mm ø 4.2 – 7.4mm wall thickness	110mm			
125mm ø 6mm wall thickness	125mm			
140mm ø 6.1 – 7.5mm wall thickness	140mm	40 x 16		
160mm ø 6.2 – 9.5mm wall thickness	160mm	40 x 18		
* Performance in accordance with BS EN 1366-3: 2009				
Maximum Annulus:	10mm filled with min 20mm deep FSi Pyrocoustic			
Floors	The floors shall be a minimum of 150 mm thick. All concrete floors shall have at least the same fire rating as that required of the pipe collar.			
Application Technique:	Concrete/masonry floors: The PCP PipeBlock is folded around the pipe to the underside of the floor and mechanically face fixed utilising 3No. Fischer FSA ø8mm x 60mm long, with M6 hexagon head bolts			
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 400 mm from the upper surface of the seal.			
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 5367
FSI LIMITED

PipeBloc PCP- Approval Matrix Floors 150mm

Product Name:		PipeBloc PCP Installed Underside 150mm thick Rigid Floor		
Penetration Specification (PP Pipes)	Collar Ref PipeBloc PCP	Intumescent Material (mm)	Integrity	Insulation
32mm ø 2.9mm wall thickness	32mm	30 x 4	240 mins	240 mins
40mm ø 2.9mm wall thickness	40mm			
50mm ø 2.9mm wall thickness	50mm			
55mm ø 2.9 – 4.4mm wall thickness	55mm	30 x 6		
63mm ø 2.9 – 4.4mm wall thickness	63mm			
75mm ø 2.8 – 6.7mm wall thickness	75mm	30 x 8		
82mm ø 2.8 – 6.7mm wall thickness	82mm			
90mm ø 2.7 – 10mm wall thickness	90mm	30 x 10		
100mm ø 2.7 - 10mm wall thickness	100mm			
110mm ø 2.7 – 10mm wall thickness	110mm			
125mm ø 3.1mm wall thickness	125mm	40 x 12		
140mm ø 3.5 - 8mm wall thickness	140mm	40 x 16		
160mm ø 4 – 14.6mm wall thickness	160mm	40 x 18		
* Performance in accordance with BS EN 1366-3: 2009				
Maximum Annulus:	10mm filled with min 20mm deep FSi Pyrocoustic			
Floors	The floors shall be a minimum of 150 mm thick. All concrete floors shall have at least the same fire rating as that required of the pipe collar.			
Application Technique:	Concrete/masonry floors: The PCP PipeBlock is folded around the pipe to the underside of the floor and mechanically face fixed utilising 3No. Fischer FSA ø8mm x 60mm long, with M6 hexagon head bolts			
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 400 mm from the upper surface of the seal			
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 5367
FSI LIMITED

PipeBloc PCP- Approval Matrix Floors 150mm

Product Name:		PipeBloc PCP Installed Underside 150mm thick Rigid Floor		
Penetration Specification (PE Pipes)	Collar Ref PipeBloc PCP	Intumescent Material (mm)	Integrity	Insulation
32mm ø 2.9mm wall thickness	32mm	30 x 4	240 mins	240 mins
40mm ø 2.9mm wall thickness	40mm			
50mm ø 2.9mm wall thickness	50mm			
55mm ø 2.9 – 4.4mm wall thickness	55mm	30 x 6		
63mm ø 2.9 – 4.4mm wall thickness	63mm			
75mm ø 2.8 – 6.7mm wall thickness	75mm	30 x 8		
82mm ø 2.8 – 6.7mm wall thickness	82mm			
90mm ø 2.7 – 10mm wall thickness	90mm	30 x 10		
100mm ø 2.7 - 10mm wall thickness	100mm			
110mm ø 2.7 – 10mm wall thickness	110mm			
125mm ø 3.1mm wall thickness	125mm	40 x 12		
140mm ø 3.9 – 5.8mm wall thickness	140mm	40 x 16		
160mm ø 4.9 – 9.5mm wall thickness	160mm	40 x 18		
* Performance in accordance with BS EN 1366-3: 2009				
Maximum Annulus:	10mm filled with min 20mm deep FSi Pyrocoustic			
Floors	The floors shall be a minimum of 150 mm thick. All concrete floors shall have at least the same fire rating as that required of the pipe collar.			
Application Technique:	Concrete/masonry floors: The PCP PipeBlock is folded around the pipe to the underside of the floor and mechanically face fixed utilising 3No. Fischer FSA ø8mm x 60mm long, with M6 hexagon head bolts			
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 400 mm from the upper surface of the seal			
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 5367
FSI LIMITED

PipeBloc PCP- Approval Matrix Rigid or Flexible Walls min100mm

Product Name:	PipeBloc PCP - Installed Both faces 100mm thick Rigid or Flexible Wall			
Penetration Specification (PVC-U Pipes)	Collar Ref PipeBloc PCP	Intumescent Material (mm)	Integrity	Insulation
32mm ø 1.8mm wall thickness	32mm	30 x 4	120 mins	120 mins
40mm ø 1.8mm wall thickness	40mm			
50mm ø 1.8mm wall thickness	50mm			
55mm ø 2.3 - 3mm wall thickness	55mm	30 x 6		
63mm ø 2.3 - 3mm wall thickness	63mm	30 x 8		
75mm ø 3.1 – 4.8mm wall thickness	75mm			
82mm ø 3.1 – 4.8mm wall thickness	82mm			
90mm ø 4.2 – 7.4mm wall thickness	90mm	30 x 10		
100mm ø 4.2 – 7.4mm wall thickness	100mm			
110mm ø 4.2 – 7.4mm wall thickness	110mm			
125mm ø 6mm wall thickness	125mm			
140mm ø 6.1 – 7.5mm wall thickness	140mm	40 x 16		
160mm ø 6.2 – 9.5mm wall thickness	160mm	40 x 18		
* Performance in accordance with BS EN 1366-3: 2009				
Maximum Annulus:	10mm filled with min 20mm deep FSi Pyrocoustic			
Walls	The walls shall be a minimum of 100 mm thick. All walls shall have at least the same fire rating as that required of the pipe collar.			
Application Technique:	Concrete/masonry floors: The PCP PipeBlock is folded around the pipe both sides of the wall and mechanically face fixed utilising ø8mm x 65mm long Fischer FM 6x65S, steel toggle anchor.			
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 400 mm both faces of the wall			
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 5367
FSI LIMITED

PipeBloc PCP- Approval Matrix Rigid or Flexible Walls min100mm

Product Name:	PipeBloc PCP - Installed Both faces 100mm thick Rigid or Flexible Wall			
Penetration Specification (PP Pipes)	Collar Ref PipeBloc PCP	Intumescent Material (mm)	Integrity	Insulation
32mm ø 2.9mm wall thickness	32mm	30 x 4	120 mins	120 mins
40mm ø 2.9mm wall thickness	40mm			
50mm ø 2.9mm wall thickness	50mm			
55mm ø 2.9 – 4.4mm wall thickness	55mm	30 x 6		
63mm ø 2.9 – 4.4mm wall thickness	63mm	30 x 8		
75mm ø 2.8 – 6.7mm wall thickness	75mm			
82mm ø 2.8 – 6.7mm wall thickness	82mm			
90mm ø 2.7 – 10mm wall thickness	90mm	30 x 10		
100mm ø 2.7 - 10mm wall thickness	100mm			
110mm ø 2.7 – 10mm wall thickness	110mm			
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Maximum Annulus:	10mm filled with min 20mm deep FSi Pyrocoustic			
Walls	The walls shall be a minimum of 100 mm thick. All walls shall have at least the same fire rating as that required of the pipe collar.			
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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 400 mm both faces of the wall			
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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PipeBloc PCP- Approval Matrix Rigid or Flexible Walls min100mm

Product Name:	PipeBloc PCP - Installed Both faces 100mm thick Rigid or Flexible Wall			
Penetration Specification (PP Pipes)	Collar Ref PipeBloc PCP	Intumescent Material (mm)	Integrity	Insulation
32mm ø 2.9mm wall thickness	32mm	30 x 4	120 mins	120 mins
40mm ø 2.9mm wall thickness	40mm			
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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 400 mm both faces of the wall			
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	