



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

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- 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).

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PineBloc PCP- Approval Matrix Floors 150mm

Product Name:	PipeBloc PCP In	stalled Underside	150	mm thic	k Rigid Floor	
Penetration Specification (PVC-U Pipes)		Collar Ref PipeBloc PCP	Intumescent Material (mm)	Inte	grity	Insulation
32mm ø 1.8mm wall thickness 40mm ø 1.8mm wall thickness		32mm				
		40mm	30 x 4			
50mm ø 1.8mm wa	all thickness	50mm				
55mm ø 2.3 - 3mm v	vall thickness	55mm	30 x 6			
63mm ø 2.3 - 3mm v	wall thickness	63mm	30 X O			
75mm ø 3.1 – 4.8mm	wall thickness	75mm	30 x 8			
82mm ø 3.1 – 4.8mm	wall thickness	82mm	30 X 6	240	mins	240 mins
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 wa	III thickness	125mm	40 x 12			
140mm ø 6.1 – 7.5mm wall thickness 160mm ø 6.2 – 9.5mm wall thickness		140mm	40 x 16			
		160mm	40 x 18			
* Performance in accorda	ince with BS EN 136	6-3: 2009				
Maximum Annulus:	10mm filled with m					
Floors	pipe collar.	shall have at least	50 mm thick. st the same fire rating as that required of the			
Application Technique:	Concrete/masonry The PCP PipeBloomechanically face M6 hexagon head	ck is folded around fixed utilising 3No				
Service Coat-Back :	Not required					own
Service Support Requirements:	Services should be further than 400 m				gars or o	channels, not
Resistance to Smoke:	Not evaluated by to approval	Meather Ca	Not evaluated by the approval			ed by this
Acoustic Rating:	Not evaluated by to approval	his Movement	Not evaluated by t approval			ed by this

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PipeBloc PCP- Approval Matrix Floors 150mm Product Name: PipeBloc PCP Installed Underside 150mm thick Rigid F						k Digid Floor
Penetration Specifica	ation (PP Pipes)	Collar Ref PipeBloc PCP	Intumescent Material (mm)		grity	Insulation
32mm ø 2.9mm w	32mm ø 2.9mm wall thickness		, ,			
40mm ø 2.9mm w	all thickness	40mm	30 x 4			
50mm ø 2.9mm w	all thickness	50mm				
55mm ø 2.9 – 4.4mm	wall thickness	55mm				
63mm ø 2.9 – 4.4mm	wall thickness	63mm	30 x 6			
75mm ø 2.8 – 6.7mm	wall thickness	75mm	20 v 0			
82mm ø 2.8 – 6.7mm	wall thickness	82mm	30 x 8	240	mins	240 mins
90mm ø 2.7 – 10mm	wall thickness	90mm	30 x 10			
100mm ø 2.7 - 10mm	n wall thickness	100mm				
110mm ø 2.7 – 10mn	n wall thickness	110mm				
125mm ø 3.1mm v	all thickness	125mm	40 x 12			
140mm ø 3.5 - 8mm wall thickness 160mm ø 4 – 14.6mm wall thickness		140mm	40 x 16			
		160mm	40 x 18			
* Performance in accorda	ance with BS EN 136	6-3: 2009				
Maximum Annulus:	10mm filled with m					
Floors	The floors shall be a All concrete floors s pipe collar.			ing as t	hat requ	ired of the
Application Technique:	The PCP PipeBloc mechanically face	Concrete/masonry floors: The PCP PipeBlock is folded around the pipe to the underside of the floor a mechanically face fixed utilising 3No. Fischer FSA Ø8mm x 60mm long, with M6 hexagon head bolts				
Service Coat-Back :	Not required U Value					
Service Support Requirements:	Services should be further than 400 m			seal		
Resistance to Smoke:	Not evaluated by the approval	Weather Capability: Not evaluated b approval				
Acoustic Rating:	Not evaluated by the approval	Movement Movement	Not evaluated by tapproval			ted by this

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PineBloc PCP- Approval Matrix Floors 150mm

Product Name: PipeBloc PCP Installed Underside 150mm thick Rigid						k Rigid Floor
Penetration Specifica	tion (PE Pipes)	Collar Ref PipeBloc PCP	Intumescent Material (mm)	Inte	grity	Insulation
32mm ø 2.9mm wall thickness 40mm ø 2.9mm wall thickness		32mm				1
		40mm	30 x 4			
50mm ø 2.9mm wa	all 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 0			
75mm ø 2.8 – 6.7mm	wall thickness	75mm	30 x 8			
82mm ø 2.8 – 6.7mm	wall thickness	82mm	30 X 6	240 mins	mins	240 mins
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	n wall thickness	140mm	40 x 16			
160mm ø 4.9 – 9.5mm wall thickness		160mm	40 x 18			
* Performance in accorda	nce with BS EN 1360	6-3: 2009				
Maximum Annulus:	10mm filled with mi					
Floors	pipe collar.	hall have at least	50 mm thick. ast the same fire rating as that required of the			
	Concrete/masonry					
Application	The PCP PipeBlock					
Technique:	_	•	D. FISCHER FSA Ø8	8mm x 60mm long, with		
Service Coat-Back :	M6 hexagon head l					own
Service Support		Services should be rigidly supported via steel angles, hangars or channels, i				
Requirements:	further than 400 mr				J O OI (
Resistance to Smoke:	Not evaluated by the approval		Not evaluated by the			ed by this
Acoustic Rating:	Not evaluated by the approval	Movement Movement	t Capability: Not evaluated by approval			ed by this

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PipeBloc PCP- Approval Matrix Rigid or Flexible Walls min100mm

Product Name:		PipeBloc PCP - Flexible Wall	Installed Both fa	ices 1	00mm tl	nick Rigid or	
Penetration Specification (PVC-U Pipes)		Collar Ref PipeBloc PCP	Intumescent Material (mm)	Inte	grity	Insulation	
32mm ø 1.8mm wall thickness		32mm					
40mm ø 1.8mm wa	all thickness	40mm	30 x 4			120 mins	
50mm ø 1.8mm wa	all thickness	50mm					
55mm ø 2.3 - 3mm v	wall thickness	55mm	30 x 6				
63mm ø 2.3 - 3mm v	wall thickness	63mm	30 X 0				
75mm ø 3.1 – 4.8mm	wall thickness	75mm	30 x 8				
82mm ø 3.1 – 4.8mm	wall thickness	82mm	30 X 8	120	mins		
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 wa	III thickness	125mm	40 x 12				
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 accorda							
Maximum Annulus:	10mm filled with m						
Walls	The walls shall be a						
	All walls shall have		fire rating as that	require	ed of the	pipe collar.	
Application	Concrete/masonry		ad the nine beth o	idaa a	f the we	المما	
Application Technique:					es of the wall and ischer FM 6x65S, steel		
recinique.	toggle anchor.	iixed diliisiiig øo	min x osmin long	FISCH	el Livi d	ixooo, steel	
Service Coat-Back :	Not required		U Valu	e:	: Not known		
Service Support	Services should be rigidly supported via steel angles, hangars or channels,						
Requirements:	further than 400 mi			,	,	,	
Resistance to Smoke:	Not evaluated by the approval				ted by this		
Acoustic Rating:	Not evaluated by the approval	Movemen Movemen	t Capability:	Not evaluated by thi approval			

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PipeBloc PCP- Approval Matrix Rigid or Flexible Walls min100mm

Product Name:		PipeBloc PCP - Flexible Wall	Installed Both fa	ces 1	00mm th	nick Rigid or	
Penetration Specification (PP Pipes)		Collar Ref PipeBloc PCP	Intumescent Material (mm)	Inte	egrity	Insulation	
32mm ø 2.9mm wall thickness		32mm					
40mm ø 2.9mm wa	all thickness	40mm	30 x 4				
50mm ø 2.9mm wa	all 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 0				
75mm ø 2.8 – 6.7mm	wall thickness	75mm	20 v 0			120 mins	
82mm ø 2.8 – 6.7mm	wall thickness	82mm	30 x 8	120	mins		
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 140mm ø 3.5 - 8mm wall thickness 160mm ø 4 – 14.6mm wall thickness		125mm	40 x 12				
		140mm	40 x 16				
		160mm	40 x 18				
* Performance in accorda	nce with BS EN 136	6-3: 2009					
Maximum Annulus:	10mm filled with m						
Walls	The walls shall be a						
· · · · · · · · · · · · · · · · · · ·	All walls shall have		fire rating as that	requir	ed of the	pipe collar.	
	Concrete/masonry				•		
Application	The PCP PipeBloc						
Technique:	toggle anchor.	lixea utilising øst	nın x osmin iong	FISCI	Fischer FM 6x65S, steel		
Service Coat-Back :	Not required				e: Not known		
Service Support	Services should be rigidly supported via steel angles, hangars or channel						
Requirements:	further than 400 m			,	9410 01 (J. 141111010, 110t	
Not evaluated by t		nie	Not ex		evaluat	luated by this	
Resistance to Smoke:	approval	Weather Ca	apability:		approval		
Acquetic Pating:	Not evaluated by the	nis Mayamant	Canability			ted by this	
Acolistic Rating.	approval	wovement	Movement Capability:		approval		

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PipeBloc PCP- Approval Matrix Rigid or Flexible Walls min100mm

Product Name:		PipeBloc PCP - Flexible Wall	Installed Both fa	ces 1	00mm th	nick Rigid or	
Penetration Specifica	Collar Ref PipeBloc PCP	Intumescent Material (mm)	Inte	grity	Insulation		
32mm ø 2.9mm wall thickness		32mm					
40mm ø 2.9mm wa	all thickness	40mm	30 x 4			120 mins	
50mm ø 2.9mm wa	all 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 6				
75mm ø 2.8 – 6.7mm	wall thickness	75mm	30 x 8 30 x 10				
82mm ø 2.8 – 6.7mm	wall thickness	82mm		120	mins		
90mm ø 2.7 – 10mm	wall thickness	90mm					
100mm ø 2.7 - 10mm	wall thickness	100mm					
110mm ø 2.7 – 10mm	wall thickness	110mm					
125mm ø 3.1mm wall thickness 140mm ø 3.5 - 8mm wall thickness 160mm ø 4 – 14.6mm wall thickness		125mm	40 x 12				
		140mm	40 x 16				
		160mm	40 x 18				
* Performance in accorda	nce with BS EN 1366	6-3: 2009					
Maximum Annulus:	10mm filled with mi						
Walls	The walls shall be a						
Trans	All walls shall have a		fire rating as that	require	ed of the	pipe collar.	
Amplication	Concrete/masonry		ام حلام ما مصاد ام	م مما:	£ 41a	الممط	
Application Technique:	The PCP PipeBlock						
rechnique.	toggle anchor.	ixed utilising bon	iiii x baiiiii iorig	Fischer FM 6x65S, steel			
Service Coat-Back :	Not required				e: Not known		
Service Support	Services should be rigidly supported via steel angles, hangars or channels, i						
Requirements:	further than 400 mr			,	J · ·		
Resistance to Smoke:	Not evaluated by the approval				ed by this		
Acoustic Rating:	Not evaluated by the approval	Movement Movement	Capability:	Not evaluated by th			

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