
CERTIFICATE OF APPROVAL

No CF 516

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

Stopseal, Silverflame, PipeBloc
Pipewraps

TECHNICAL SCHEDULE

TS03 Penetration Sealing
Systems

Signed and sealed for and on behalf of Exova (UK) Limited trading as
Warrington Certification



Paul Duggan
Certification Manager



Issued: 20th November 2006
Reissued: 8th May 2018
Valid to: 7th May 2023

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CERTIFICATE No CF 516

FSI LIMITED

Stopseal, PipeBloc & Silverflame Pipewraps

1. This approval relates to the use of Stopseal, PipeBloc & Silverflame Pipe Wraps, 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 Stopseal, PipeBloc & Silverflame Pipe Wraps Wrap required to provide fire resistance periods in accordance with BS 476: Part 20: 1987 or BS EN 1366-3: 2004 (denoted by * in the tables) of up to 120 minutes for differing services and wall 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 concrete floors and masonry or concrete walls shall be at least 100 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, MDPE 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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FSI LIMITED

Stopseal, PipeBloc & Silverflame Pipewraps - Approval Matrix

Product Name:	Stopseal , PipeBloc Silverflame Pipe Wraps,			
Coating / DFT:	N/A			
Density:	N/A			
PVC Pipe Size* (up to)	Wrap size	Wall/Floor Thickness	Integrity	Insulation
63 mm Ø by 3.2 mm wall thickness*	60 by 3.5 mm	150 mm	180 minutes	180 minutes
110 mm Ø by 3.2 mm wall thickness*	60 by 6 mm			
MDPE Pipe Size (up to)	Wrap size	Wall/Floor Thickness	Integrity	Insulation
63 mm Ø by 6.5 mm wall thickness	60 by 3.5 mm	150 mm	240 minutes	240 minutes
90 mm Ø by 9 mm wall thickness	60 by 6 mm			
HDPE Pipe Size (up to)	Wrap size	Wall/Floor Thickness	Integrity	Insulation
110 mm Ø by 7 mm wall thickness	60 by 6 mm	150 mm	240 minutes	240 minutes
ABS Pipe Size* (up to)	Wrap size	Floor Thickness	Integrity	Insulation
160 mm Ø by 10.5 mm wall thickness	60 by 6 mm + 60 by 3.5 mm (Floor only)	150 mm	240 minutes	240 minutes
* Performance in accordance with BS EN 1366-3: 2004				
Maximum aperture:	183 mm Ø			
Walls/Floors	<p>The walls and floors shall be a minimum of 100 mm thick for periods of up to 60 minutes integrity performance and 150 mm thick for periods of up to 240 minutes integrity.</p> <p>The minimum density for the concrete or brick of the wall is 780kg/m³ and for walls made of concrete blocks is 600kg/m³.</p> <p>All concrete or masonry walls or floors shall have at least the same fire rating as that required of the pipe wrap.</p>			
Application Technique:	<p>Concrete/masonry walls and floors:</p> <p>The Pipewrap is folded around the pipe and secured tightly with adhesive tape. The wrap is the slid along the pipe into the wall or floor aperture and grouted into position using Silverseal Mortar or Pyrocoustic sealant.</p>			
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	