



CERTIFICATE OF APPROVAL

No CF 5363

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

NULLIFIRE LIMITED

**Torrington Avenue, Coventry
West Midlands CV4 9TJ
Tel: 02476 855000**

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

Nullifire FP 160

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: 1st October 2015
Valid to: 30th March 2019

Page 1 of 8





CERTIFICATE No CF 5363

NULLIFIRE LIMITED

Nullifire FP 160

1. This approval relates to the use of Nullifire FP 160 pipe closure and service sealing devices for fire protection where there are services penetrating walls and floors. The detailed scope is given in the Approval Matrix included in this Certificate. This shows the sleeve size and acceptable services for Nullifire FP 160 required to provide fire resistance periods in accordance with BS 476: Part 20: 1987 or in accordance with BS EN 1366-3: 2009 (as indicated in the Matrix) for differing services and wall and floor 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
 - v) Production surveillance under ISO 9001: 2008
4. The masonry or concrete walls and 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, HDPE, PPR & ABS pipes, various cables and open vents 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.



CERTIFICATE No CF 5363

NULLIFIRE LIMITED

Nullifire FP 160

BS EN 1366-3: 2009 Approval Matrix - Up To 120 Vertical Board Seals

Product Name:		Nullifire FP 160		
Coating / DFT:		N/A		
Density:		N/A		
PVC Pipe Size	Sleeve Reference	Minimum Board Seal Thickness	Integrity	Insulation
55 mm Ø by 3.2 – 7.2 mm wall thickness	FP 160 - 55 mm	50 mm	120 minutes	60 minutes
160 mm Ø by 3.8 mm wall thickness	FP 160 - 160 mm		120 minutes	90 minutes
160 mm Ø by 9.0 mm wall thickness			120 minutes	90 minutes
55 mm Ø by 3.2 – 7.2 mm wall thickness	FP 160 - 55 mm	100 mm	120 minutes	120 minutes
160 mm Ø by 3.8 – 9.0 mm wall thickness	FP 160 - 160 mm			
230 x 90 mm with 0.7 mm wall thickness	FP 160 - Duct 230x90	2 x 50 mm with 100 mm cavity	120 minutes	-
HDPE Pipe Size	Sleeve Reference			
55 mm Ø by 3.2 – 7.6 mm wall thickness	FP 160 - 55 mm	50 mm	120 minutes	60 minutes
160 mm Ø by 6.4 – 15.0 mm wall thickness	FP 160 - 160 mm			
55 mm Ø by 3.2 – 7.6 mm wall thickness	FP 160 - 55 mm	100 mm	120 minutes	120 minutes
160 mm Ø by 6 mm wall thickness	FP 160 - 160 mm			
Board seal		The board seal shall be vertical (in a wall), 50 or 100 mm thick as detailed above and as specified in CF No. 5343		
Application Technique:		The sleeves inserted into the aperture in the board seal with an equal overhang on both faces. See CF No. 5343 for details of the board seal.		
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 150 mm and 450 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



CERTIFICATE No CF 5363

NULLIFIRE LIMITED

Nullifire FP 160

BSEN 1366-3:2009 Approval Matrix - Up To 240 Minute Horizontal Mortar Seal

Product Name:	Nullifire FP 160			
Coating / DFT:	N/A			
Density:	N/A			
PVC Pipe Size	Sleeve Reference	Sleeve Length	Integrity	Insulation
55 mm Ø by 2.0 mm wall thickness	FP 160 - 55 mm	300mm	240 minutes	240 minutes
82 mm Ø by 3.2 mm wall thickness	FP 160 - 82 mm			
110 mm Ø by 3.2 mm wall thickness	FP 160 - 110 mm			
160 mm Ø by 3.2 mm wall thickness	FP 160 - 160 mm			
HDPE Pipe Size	Sleeve Reference			
82 mm Ø by 4.2 mm wall thickness	FP 160 - 82 mm	300mm	240 minutes	240 minutes
PPR Pipe Size	Sleeve Reference			
90 mm Ø by 8.2 mm wall thickness	FP 160 - 110 mm	300mm	240 minutes	240 minutes
Mortar Seal	Minimum 100mm FR 220 mortar supported on minimum 50mm Shutterbatt (140kg/m ³). The top of the FR 220 should be flush with the upper surface of the floor slab.			
Application Technique:	Sleeve with depth 300mm located around pipes with top edge flush with the upper surface of the floor slab and aperture cut in the shutterbatt to suit. Shutterbatt placed in the aperture in the concrete floor and the FR 220 poured into place. FS 702 bead used to seal around the pipe/mortar junction on upper face, refer to Nullifire instructions for bead size and full fitting details.			
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 150 mm and 450 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	

CERTIFICATE No CF 5363

NULLIFIRE LIMITED

Nullifire FP 160

BSEN 1366-3:2009 Approval Matrix - Up To 120 Minute Vertical Coated Board Seal

Product Name:	Nullifire FP 160			
Coating / DFT:	N/A			
Density:	N/A			
PVC Pipe Size	Sleeve Reference	Sleeve Length	Integrity	Insulation
50 mm Ø by 2.4 mm wall thickness	FP 160 - 55 mm	300mm with 200mm length of 25mm thickness Foiled 45kg/m ³ Rockfibre on each face of wall	120 minutes	120 minutes
50 mm Ø by 2.5 mm wall thickness	FP 160 - 55 mm	140mm		
160 mm Ø by 3.2 mm wall thickness	FP 160 - 160 mm	140mm		
Insulated PVC Pipe Size	Sleeve Reference	Sleeve Length		
43mm Ø by 2.0 mm wall thickness insulated with 20mm thick nitrile insulation	FP 160 - 83mm	140mm	120 minutes	120 minutes
HDPE Pipe Size	Sleeve Reference	Sleeve Length		
110 mm Ø by 4.2 mm wall thickness	FP 160 - 110 mm	300mm	120 minutes	120 minutes
Board Seal	2 x 50mm FB 750 boards with min 30mm air gap between layers. FB 750 minimum 140kg/m ³ density, coated on each face with ablative coating.			
Application Technique:	Sleeve with length as above located around pipes with length centred in the wall. FS 702 bead used to seal around the pipe/batt junction on both faces. Refer to Nullifire instructions for bead size and full fitting details.			
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 150 mm and 450 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	



CERTIFICATE No CF 5363

NULLIFIRE LIMITED

Nullifire FP 160 Cable Management Box

BSEN 1366-3:2009 Approval Matrix - Up To 120 Minute Vertical Coated Board Seal

Product Name:	Nullifire FP 160 Cable Management Box			
Coating / DFT:	N/A			
Density:	N/A			
Services	Box Reference	Box Length and Fill	Integrity	Insulation
10x A3 cables, 9x 3 core twin & earth cables in 20mm Ø x 2mm wall plastic conduit, 2x Type E cables, PVC pipes 25mm Ø x 3.2mm wall (capped on exposed face), 40mm Ø x 3.2mm wall, 43mm Ø x 2.0mm wall	FP 160 Cable Management Box 340mm wide x 140mm high x 140mm depth. Box lined with 8mm thick x 140mm wide intumescent.	140mm length 50mm Pyosorb foam packed around penetrations midway within the box	120 minutes	120 minutes
Cables as specified in BS EN 1366-3:2009, Annex B, standard configuration supported on each face of wall with 450mm wide x 50mm high x 500mm long perforated cable tray	FP 160 Cable Management Box 340mm wide x 140mm high.	300mm length Earthwool of 64kg/m³ density and 288mm deep packed into box around the services and the two faces sealed with 6mm thickness of FS 702	120 minutes	120 minutes
Board Seal	2 x 50mm FB 750 boards with min 30mm air gap between layers. FB 750 minimum 140kg/m³ density, coated on each face with ablative coating.			
Application Technique:	Cable Management Box with depth as above located centred in the wall. Penetrations are passed through the box and the FS 702 bead used to seal around the pipe/batt junction on both faces. Refer to Nullifire instructions for bead size and full fitting details.			
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 150 mm and 450 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	



CERTIFICATE No CF 5363

NULLIFIRE LIMITED

Nullifire FP 160 Vent

BSEN 1366-3:2009 Approval Matrix - Up To 120 Minute Walls

Product Name:	Nullifire FP 160			
Coating / DFT:	N/A			
Density:	N/A			
	Sleeve Reference	Sleeve Length	Integrity	Insulation
	FP 160 - 150mm	220mm	120 minutes	120 minutes
Ventilation Grille	40mm thick FP 160 - fitted into each end of open sleeve.			
Walls	The walls shall be a minimum of 130 mm thick. Stud walls shall be constructed from minimum 70mm studs lined on both faces with 2 x 15mm layers of Type F gypsum board. 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			
Application Technique:	FP 160 - fitted through the wall , centrally positioned. Refer to Nullifire fitting instructions for full details.			
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 150 mm and 450 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	



CERTIFICATE No CF 5363

NULLIFIRE LIMITED

Nullifire FP 160 Cable Management Box

BSEN 1366-3:2009 Approval Matrix - Up To 120 Minute Floors

Product Name:	Nullifire FP 160 Cable Management Box			
Coating / DFT:	N/A			
Density:	N/A			
Cables	Box Reference	Box Length	Integrity	Insulation
2x Type E cables, 10x Type 1 cables, 10x Type A2 cables, 14x twin & earth cables	FP 160 Cable Management Box 244mm wide x 100mm high with 25mm wide smoke seal fitted between cables and sleeve intumescent liner	150 mm	120 minutes	120 minutes
Floors	The floors shall be a minimum of 150 mm thick. The minimum density for the aerated concrete or concrete floor is 650kg/m ³ . All floors shall have at least the same fire rating as that required for the penetration seal.			
Application Technique:	FP 160 fitted through the wall, centrally positioned. Earthwool backing 64kg/m ³ density and 100mm thick with a capping of 3mm thickness FS 702 to fill aperture between the Cable Management Box and the floor slab. FS 702 capping to be flush with upper surface of floor slab. Refer to Nullifire fitting instructions for full details.			
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 150 mm and 450 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	