Installation Instructions:

Ensure within aperture is clean and free of debris, loose cement, and remove all dust from surfaces requiring installation.

Detail A - 20mm wide x 25mm depth annular to combustible pipes within block work walls up yo 120 minutes integrity & insulation.

1. Select correct size polyethylene backer to tightly fit into minimum 20mm

2. Form a ring around the pipe with polyethylene backer and fix the two ends together with tape, slide along the pipe into the opening to form a 25mm deep recess to the front face of wall.

- 3. Fill recess until flush with wall and trowel smooth.
- 4. Repeat to the opposite side of the wall.

PipeType	Diameter mm	Thickness mm	Rating
PVC	40	1.9	
	125	4.8	El 120
	125	8.2	
PE	40	3.7	El 120
	110	3.4	E 120190
	110	6.6	EI 120
ABS	40	2.7	El 120
	114.3	7.2	E 120190
	1143	11.3	EI 120 60

Detail B, D & E - 300 x 100 aperture within partition up to 120 minutes integrity & insulation suitable for cables and combustible pipes up to 63mm

- Ensure services are 200mm minimum from edge of opening, pipes and cable bunches 20mm apart. 1.
- Fill void with 33kg/m3 rock mineral fibre to form a 25mm recess to plasterboard face. 2.
- Fill recess with FS709 Intumastic HP and trowel flush with plasterboard face. 3.

PenetrationType	Туре	Diamm	Rating
Cable Bundle	Type F	40 mm	El 120 I90
	Type A1		
	Type A2		
Cable	Type A3		El 120
	Type F		
	Туре В		
PipeType	Diamm	Thickness	
HDPE with 15mm Cooper	63	5.8	El 120
HDPE Gas Pipe	63	5.8	El 120

Detail C - 20mm wide x 25mm depth annular to insulated non-combustible pipes.

1. Install as details A

PipeType	Diamm	Thickness mm	Insulation	Rating
Copper/Steel	15	0.7 to 14	30m Glass Fibre	EI 120
	160	2 to 14		El120 190
Copper/Steel	40	0.7 to 14	33mm Nitrile	El 120
	160	2 to 14		El 120 I30
Copper/Steel	15	0.7	N/A	El 120 160

Detail F - 600×140 aperture within partition up to 120 minutes integrity & insulation suitable for full en cable set.

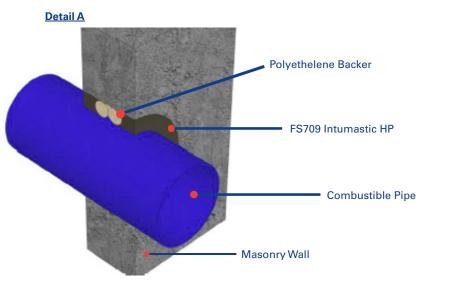
1. Install as details B,D & E

Construction

Furope

Products Group

PenetrationType	Туре	Sizemm	Rating
Cable Ladders/Trays		Up to 500mm	Up to El 120
Full EN Cable Set	Various		Up to El 120



Polyethelene Backer

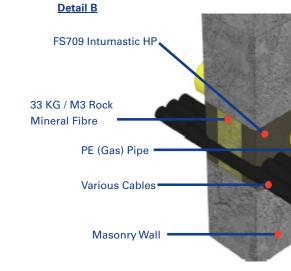
FS709 Intumastic HP

Masonry Wall

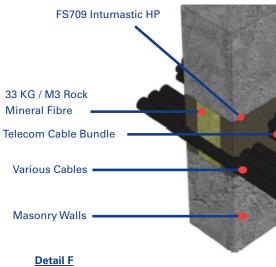
Insulated Cooper / Steel Plate

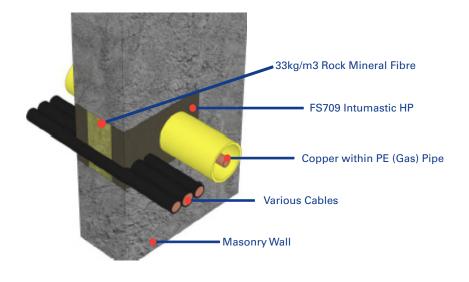
Detail C

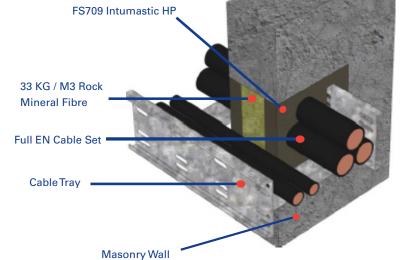
Detail E











The published fire ratings have been achieved by following the instructions set out above. Use of alternative components or deviations from the instructions in anyway will remove Nullifire from any design liability. Nullifire will not accept responsibility for the consequences of the using our products in applications or sees not authorised by Nullifire. Expert advise should be sought where such applications are contemplated. information contained within this drawing is believed to be correct on the date of publication, and is based upon tested and certified solutions. The policy of Nullifire is one of constant improvement. Installers must therefore ensure that they are following the latest published drawings and instructions. Whilst we will avour to keep our publications up to date, the accuracy of the information contained within this drawing may be affected by pertinent changes in the law or regulatory requirements and alternations/amendments to the specification of Nullifire products. The inform









Test Information:

Test: BSEN 136-1: 1999, BSEN 1366-3:2009, BSEN:1366-4:2006 +A1:2010

Test Reference WF375063

Products:

FS709 Intumastic HP

Scenario:

Annular Penetration Seals

Penetrations:

Various

Construction:

Masonry walls from 100mm thickness and thicker.



Nullifire details will only perform to the substrates performance capabilities. This applies to fire and acoustic. It is the responsibility of the purchaser to ensure suitability. If in doubt call technical.

Drawing Title:

FS709 Intumastic HP to various penetrations within masonry

Drawing Reference No:

PS-008a

