

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 drylined walls up to 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 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 120 I 90
	110	6.6	El 120
ABS	40	2.7	El 120
	114.3	7.2	E 120 I 90
	1143	11.3	El 120 l 60

Detail B, D & E - 300x100 aperture within partition up to 120 minutes integrity & insulation suitable for cables and combustible pipes up to 63mm

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

- Processing and a second						
PenetrationType	Туре	Dia mm	Rating			
Cable Bundle	Type F	40 mm	El 120 l90			
	Type A1					
	Type A2					
Cable	Type A3		El 120			
	Type F					
	Type B					
PipeType	Dia mm	Thickness				
HDPE with 15mm Cooper	63	5.8	El 120			
HDPE Gas Pipe	63	5.8	El 120			

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

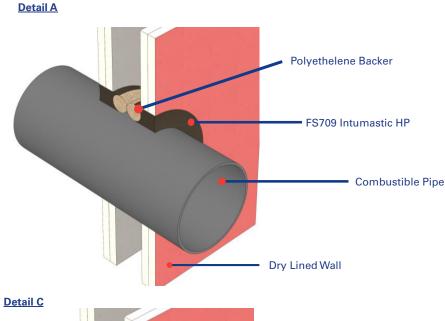
1. Install as details A

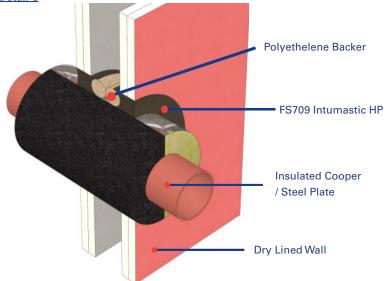
PipeType	Dia mm	Thickness mm	Insulation	Rating
Copper/Steel	15	0.7 to 14	30m Glass Fibre	El 120
	160	2 to 14		El120 l90
Copper/Steel	40	0.7 to 14	33mm Nitrile	El 120
	160	2 to 14		El 120 l30
Copper/Steel	15	0.7	N/A	El 120 l60

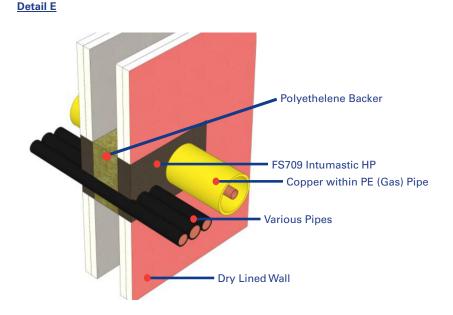
Detail F - 600×140 aperture within partition up to 120 minutes integrity & insulation suitable for full en cable set.

1. Install as details B,D & E

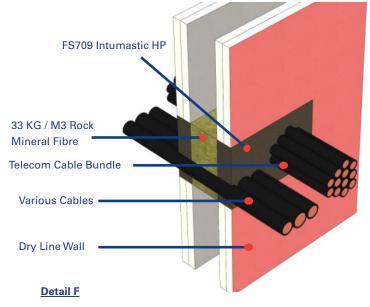
PenetrationType	Туре	Size mm	Rating
Cable Ladders/Trays		Up to 500mm	Up to El 120
Full EN Cable Set	Various		Up to El 120

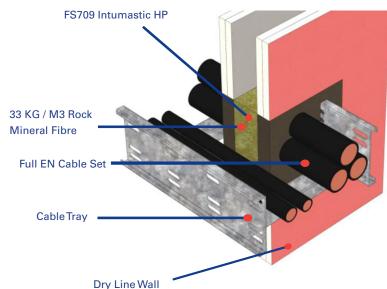












Test Information:

Test: BSEN 136-1: 1999, BSEN 1366-3:2009, BSEN:1366-4:2006 +A1:2020

Test Reference WF375063

Products:

FS709 Intumastic HP

Scenario:

Annular Penetration Seals

Penetrations:

Various

Construction:

50mm C stud at 600mm centres, with 2 layers of 12.5mm type F plasterboard each side of wall. Applicable to insulated, non insulated flexible wall construction 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 plasterboard

Drawing Reference No:

PS-008

A3



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 purposes not authorised by Nullifire. Expert advise should be sought where such applications are contemplated. The information contained within this drawing is believed to be correct on the date of publications, 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 endeavour 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.