

# Passive Fire & Acoustic Protection



**Keeping the art of distribution simple**

## Passive Fire & Acoustic Protection

Shawston supply a full range of Passive Fire & Acoustic Protection products. Our range covers all applications where Pipes, Baskets, Trays, Trunking & PVC Ducting penetrate through walls & floors that require Fire Stopping & Acoustic protection, meeting Building Regulation Standards.

All our products are fully tested ensuring they meet the current European & British Standards. Our Firefly 109 Pipe Sleeves are CE Marked. Full test reports for all our products are available upon request.

Our in house project management team will work with you at the early stages of your project providing technical advice and support regarding the correct product selection & the appropriate installation methods. Delivery can be supplied to any building site in the UK, on time using our own vehicle fleet via our nationwide branch network.

### OUR FIRE & ACOUSTIC PRODUCT RANGE COVERS THE FOLLOWING APPLICATIONS:

- 1. Pipe: Steel, Copper, Carbon & Plastics**
- 2. Electrical Trays, Baskets & Trunking**
- 3. PVC Domestic Ventilation Ducting - Square & Round**
- 4. Electrical Socket Box Protection**



## Passive Fire & Acoustic Protection

### 2 & 4 Hour Rated Collars



#### PRODUCT INFORMATION

Intumescent Firestop Collars provide a simple and effective method of firestopping pipework where it passes through compartment walls and floors. Tested in accordance with BS 476: Part 20 and EN 1366-3. Collars will provide up to 4 hours fire protection.

#### PRODUCT FEATURES & BENEFITS

- Simple to install
- Water resistant
- Maintenance free
- Available to suit pipe size ranges from 32mm to 355mm\*

\* 2 Collars, one either side of the wall must be used on Plasterboard Walls

#### SUITABLE WALL AND FLOOR CONSTRUCTION:

Plasterboard Partition\*\*, Concrete, Blockwork or Brick Walls and Floors.

\*\* For sizes larger than 200mm please consult our sales team for further advice

#### SUITABLE FOR USE WITH:

PVC, UPVC, CPVC, HDPE, MDPE, PE only suitable for ABS upto 55mm



CODE	STOCK ITEM DESCRIPTION:	BOX QTY
<b>2 Hour Rating</b>		
PFPFC032/2	30/32mm Fire Collar 2 Hour Rated	40
PFPFC038/2	38/40mm Fire Collar 2 Hour Rated	32
PFPFC055/2	55mm Fire Collar 2 Hour Rated	75
PFPFC063/2	63mm Fire Collar 2 Hour Rated	60
PFPFC075/2	75mm Fire Collar 2 Hour Rated	50
PFPFC082/2	82mm Fire Collar 2 Hour Rated	40
PFPFC090/2	90mm Fire Collar 2 Hour Rated	35
PFPFC110/2	110mm Fire Collar 2 Hour Rated	40
PFPFC125/2	125mm Fire Collar 2 Hour Rated	25
PFPFC160/2	160mm Fire Collar 2 Hour Rated	14
PFPFC200/2	200mm Fire Collar 2 Hour Rated	10
<b>Large Palm Type Collars</b>		
PFPFC275/3	275mm Fire Collar 3 Hour Rated	2
PFPFC300/3	300mm Fire Collar 3 Hour Rated	1
PFPFC315/3	315mm Fire Collar 3 Hour Rated	1
PFPFC355/1	355mm Fire Collar 1 Hour Rated	1

CODE	STOCK ITEM DESCRIPTION:	BOX QTY
<b>4 Hour Rating</b>		
PFPFC032/4	30/32mm Fire Collar 4 Hour Rated	40
PFPFC038/4	38/40mm Fire Collar 4 Hour Rated	32
PFPFC055/4	55mm Fire Collar 4 Hour Rated	75
PFPFC063/4	63mm Fire Collar 4 Hour Rated	60
PFPFC075/4	75mm Fire Collar 4 Hour Rated	50
PFPFC082/4	82mm Fire Collar 4 Hour Rated	40
PFPFC090/4	90mm Fire Collar 4 Hour Rated	35
PFPFC110/4	110mm Fire Collar 4 Hour Rated	40
PFPFC125/4	125mm Fire Collar 4 Hour Rated	25
PFPFC160/4	160mm Fire Collar 4 Hour Rated	14
PFPFC200/4	200mm Fire Collar 4 Hour Rated	10
PFPFC225/4	225mm Fire Collar 4 Hour Rated	2
PFPFC250/4	250mm Fire Collar 4 Hour Rated	2

## Passive Fire & Acoustic Protection

### 2 & 4 Hour Rated Fire Wraps



#### PRODUCT INFORMATION

Intumescent Pipe Wraps offer a simple and more economic alternative to Firestop collars for firestopping plastic pipework and electrical trunking in walls and floors.

Tested in accordance with BS 476:Part 20 & BS EN 1366-3

#### PRODUCT FEATURES & BENEFITS

- Simple to install
- No mechanical fixings
- Water resistant
- Maintenance free
- Available to suit pipe sizes up to 160 mm O.D.\*  
*\* Please consult sales for 200mm Diameter applications*
- 3rd Party Certificated

#### SUITABLE WALL AND FLOOR CONSTRUCTION:

Concrete, Blockwork or Brick Walls and Floors.

#### SUITABLE FOR USE WITH:

PVC, UPVC, CPVC, HDPE, MDPE, PE only suitable for ABS upto 55mm

CODE	STOCK ITEM DESCRIPTION:	BOX QTY
<b>1 Hour Rating</b>		
PFPFW200/1	200mm Fire Wrap 1 Hour Rated	10
<b>2 Hour Rating</b>		
PFPFW032/2	32mm Fire Wrap 2 Hour Rated	150
PFPFW038/2	38mm Fire Wrap 2 Hour Rated	100
PFPFW055/2	55mm Fire Wrap 2 Hour Rated	100
PFPFW063/2	63mm Fire Wrap 2 Hour Rated	50
PFPFW075/2	75mm Fire Wrap 2 Hour Rated	150
PFPFW082/2	82mm Fire Wrap 2 Hour Rated	150
PFPFW090/2	90mm Fire Wrap 2 Hour Rated	100
PFPFW110/2	110mm Fire Wrap 2 Hour Rated	100
PFPFW125/2	125mm Fire Wrap 2 Hour Rated	35
PFPFW160/2	160mm Fire Wrap 2 Hour Rated	15

CODE	STOCK ITEM DESCRIPTION:	BOX QTY
<b>4 Hour Rating</b>		
PFPFW032/4	32mm Fire Wrap 4 Hour Rated	150
PFPFW038/4	38mm Fire Wrap 4 Hour Rated	100
PFPFW055/4	55mm Fire Wrap 4 Hour Rated	50
PFPFW063/4	63mm Fire Wrap 4 Hour Rated	50
PFPFW075/4	75mm Fire Wrap 4 Hour Rated	150
PFPFW082/4	82mm Fire Wrap 4 Hour Rated	150
PFPFW090/4	90mm Fire Wrap 4 Hour Rated	100
PFPFW110/4	110mm Fire Wrap 4 Hour Rated	50
PFPFW125/4	125mm Fire Wrap 4 Hour Rated	35
PFPFW160/4	160mm Fire Wrap 4 Hour Rated	15

## Passive Fire & Acoustic Protection

### Intumescent Thermal Fire Sleeves



#### SUITABLE WALL AND FLOOR CONSTRUCTION:

Plasterboard Partition, Concrete, Blockwork or Brick Walls and Floors.

Profiled Metal Decking

#### SUITABLE FOR USE WITH:

Medium & Heavy Steel, Copper, Carbon, Stainless & Plastics\*

15mm to 159mm

15Nb to 150Nb\*\*

\* Please consult our sales team to confirm which type of plastics the sleeves are suitable to be used with.

\*\* For sizes larger than 150Nb please consult our sales team for further advice

#### PRODUCT INFORMATION

The Firefly 109 Pipe Fire Sleeves are particularly suitable for use in plasterboard partitions, but can be used in blockwork walls and floors. The Sleeves do not require any additional metal sleeving. The unique intumescent material is vacuum formed to shape which ensures controlled sealing of the plastic pipe or duct. Suitable for use with Copper, Carbon, Steel & Plastic Pipe.

#### PRODUCT FEATURES & BENEFITS

- CE Approved
- Up to EI120 Minute Fire Rated in Partitions
- Up to EI240 Minutes Fire Rated in Blockwork
- Assessed for installation in: Plasterboard with steel or timber studwork, masonry & brick / block walls & floors
- Acoustic, Thermal & Vapour Seal
- Simple & quick to install, no screws or support needed
- No Metal Sleeving required
- Available to fit most common sizes
- Cost effective alternative to Fire Collars
- Sleeves come supplied 300mm long. In 90% of cases they can be cut in half giving 2 penetrations per sleeve
- Not to be used on Domestic Ventilation Pipe, see page 11 for our Domestic Ventilation Sleeves
- Fire Tested to BS EN 1366-3 and BS476
- Sleeves can be retro fitted to existing pipework

CODE	STOCK ITEM DESCRIPTION:	BOX QTY
PPFFS017	17mm Thermal Fire Pipe Sleeve 15Cu	6
PPFFS021	21mm Thermal Fire Pipe Sleeve 22Cu / 15Nb	6
PPFFS027	27mm Thermal Fire Pipe Sleeve 28Cu / 20Nb	6
PPFFS034	34mm Thermal Fire Pipe Sleeve 34Cu / 25Nb	6
PPFFS042	42mm Thermal Fire Pipe Sleeve 42Cu / 32Nb	6
PPFFS048	48mm Thermal Fire Pipe Sleeve 40Nb	6
PPFFS054	54mm Thermal Fire Pipe Sleeve 54Cu	6
PPFFS060	60mm Thermal Fire Pipe Sleeve 50Nb	6
PPFFS067	67mm Thermal Fire Pipe Sleeve 67Cu	6
PPFFS076	76mm Thermal Fire Pipe Sleeve 76Cu / 65Nb	6
PPFFS080	80mm Thermal Fire Pipe Sleeve	6

CODE	STOCK ITEM DESCRIPTION:	BOX QTY
PPFFS089	89mm Thermal Fire Pipe Sleeve 80Nb	6
PPFFS102	102mm Thermal Fire Pipe Sleeve	6
PPFFS108	108mm Thermal Fire Pipe Sleeve 108Cu	6
PPFFS114	114mm Thermal Fire Pipe Sleeve 100Nb	6
PPFFS127	127mm Thermal Fire Pipe Sleeve	6
PPFFS140	140mm Thermal Fire Pipe Sleeve 133Cu / 125Nb	6
PPFFS159	159mm Thermal Fire Pipe Sleeve 159Cu	6
PPFFS169	169mm Thermal Fire Pipe Sleeve 150Nb	6

## Passive Fire & Acoustic Protection

### Electrical Socket Box Insert



#### FIRE TESTING

Fire tested to BSEN 1364-1 and to the principles of BSEN 1363-1: 1999

Constructions covered – Plasterboard Partition

Duration of effective protection: 120 mins integrity & insulation

Report No's: Chilt/RF08071 AR1 & Chilt/IF08039

#### AIRTIGHTNESS TESTING

Tested to BS EN 1026:2000 over a pressure range of 2 - 50 Pa  
 Robust Detail Approved

#### ACOUSTIC TESTING

TENMAT FF130 Socket Box Inserts were acoustically tested under UKAS conditions at BRE Laboratories in accordance with BS EN ISO 140-3:1995 and BS EN ISO 717-1:1997  
 Test Report No: 247-373

#### PRODUCT INFORMATION

The FIREFLY 130 Socket Box Inserts have been developed to provide fire & acoustic protection along with improved air tightness and a reduction in energy loss for penetrations created by the introduction of both single and double sockets.

#### PRODUCT FEATURES & BENEFITS

- Dramatically reduces air leakage
- Reinstates insulation continuity
- Easy to fit with no special skills or tools required
- Help to minimise heat loss into wall and reduce energy costs
- Up to 2 Hour Fire Rated
- Acoustically Rated to 67 db
- Robust Detail Approved
- Made from Fire Resistant Fibre
- Easy to check and inspect
- Suitable for metal & plastic boxes
- Can be retro fitted to existing sockets

#### SUITABLE WALL CONSTRUCTION:

Plasterboard Partitions

#### SUITABLE FOR USE WITH:

Metal & Plastic Back Boxes 35mm & 47mm Deep

CODE	STOCK ITEM DESCRIPTION:	BOX QTY
PFPSBI35S	35mm Single Fire/Acoustic & Airtight Socket Box Insert	35
PFPSBI47S	47mm Single Fire/Acoustic & Airtight Socket Box Insert	50
PFPSBI35D	35mm Double Fire/Acoustic & Airtight Socket Box Insert	35
PFPSBI47D	47mm Double Fire/Acoustic & Airtight Socket Box Insert	50

## Passive Fire & Acoustic Protection

### Intumescent Putty Pads



#### FIRE TESTING

Tested in accordance with BS 476:Part 20:1987 and EN1366-3. The pads provide up to 2 hours fire protection

#### ACOUSTIC TESTING

Measurement of airborne sound insulation was made in accordance with BS EN ISO 140-3:1995

Single number quantities were calculated in accordance with BS EN ISO 717-1 :1997

The putty pads provide a Weighted Sound Reduction (Rw) of up to 67dB

#### PRODUCT INFORMATION

Intumescent Acoustic Putty Pads have been developed to maintain the acoustic integrity and fire resistance of plasterboard partitions, where plastic electrical socket boxes penetrate them. They also make a significant contribution to the reduction of air leakage in properties helping reduce energy costs and carbon emissions.

#### PRODUCT FEATURES & BENEFITS

- Provides fire protection
- Reduces noise transfer
- Pre-cut cross shape ensures hassle free installation
- Low smoke emission
- Maintenance free
- Remains malleable
- Long service life
- Available for single and double sockets

#### SUITABLE WALL CONSTRUCTION:

Plasterboard Partition

#### SUITABLE FOR USE WITH:

Metal & Plastic Back Boxes 35mm & 47mm Deep

#### FIRE TESTING

Tested in accordance with BS 476:Part 20:1987 and EN1366-3. The pads provide up to 2 hours fire protection

#### ACOUSTIC TESTING

Measurement of airborne sound insulation was made in accordance with BS EN ISO 140-3:1995  
 Single number quantities were calculated in accordance with BS EN ISO 717-1 :1997  
 The putty pads provide a Weighted Sound Reduction (Rw) of up to 67dB

CODE	STOCK ITEM DESCRIPTION:	BOX QTY
PFPPPS	Single Box Internal Putty Pad	20
PFPPPD	Double Box Internal Putty Pad	20

## Passive Fire & Acoustic Protection

### Cable Basket / Cable Tray Fire Sleeves



#### PRODUCT INFORMATION

The FIREFLY 108 Cable Basket Fire Sleeves are a unique range of products designed to speed up and simplify the firestopping of cable trays and cable baskets. The compressible and fully intumescent material provides an effective fire and acoustic seal around both the cable and cable tray / basket itself. The Cable Basket Fire Sleeves are supplied in a standard length to suit all common wall construction. The ready to install design does not require any additional metal work, support, fire rated sealants or foams.

#### PRODUCT FEATURES & BENEFITS

- 2 Hour Fire Rated
- Acoustically Rated
- Simple and quick to install
- No Metal Sleeving required
- Sleeve can be fitted prior to running cables
- No mastic, screws or supports required
- Available to fit all common cable tray & basket

#### FIRE TESTING

The Fire Sleeves were tested to BS 476: Part 20

Duration of effective protection: 120 minutes

Assessment No: Chilt/03187 Rev D / Chiltern Int. Fire

#### ACOUSTIC TESTING

The Cable Basket Sleeves were acoustically tested in a plasterboard partition system under UKAS conditions in accordance with BS EN ISO 140-3:1995 and BS EN ISO 717-1.148472222

Test Report No: 239037

#### SUITABLE WALL AND FLOOR CONSTRUCTION:

Plasterboard Partition, Concrete, Blockwork or Brick Walls and Floors.

#### SUITABLE FOR USE WITH:

Wire Mesh Cable Basket 60mm & 35mm Deep - 50mm to 450mm Wide

Cable Tray Light, Medium & Heavy - 50mm to 450mm Wide

CODE	STOCK ITEM DESCRIPTION:	BOX QTY
PFPCBS050	50 x 54/30mm Cable Basket Fire Sleeve	6
PFPCBS075	75 x 54/30mm Cable Basket Fire Sleeve	6
PFPCBS100	100 x 54/30mm Cable Basket Fire Sleeve	6
PFPCBS150	150 x 54/30mm Cable Basket Fire Sleeve	6
PFPCBS200	200 x 54/30mm Cable Basket Fire Sleeve	6
PFPCBS250	250 x 54/30mm Cable Basket Fire Sleeve	3
PFPCBS300	300 x 54/30mm Cable Basket Fire Sleeve	3
PFPCBS350	350 x 54/30mm Cable Basket Fire Sleeve	3
PFPCBS400	400 x 54/30mm Cable Basket Fire Sleeve	3
PFPCBS450	450 x 54/30mm Cable Basket Fire Sleeve	3
PFPCBSINFILL	Cable Basket Infill Material 180mm x 1Mtr	5



## Passive Fire & Acoustic Protection

### Intumescent Fire Pillows



#### PRODUCT INFORMATION

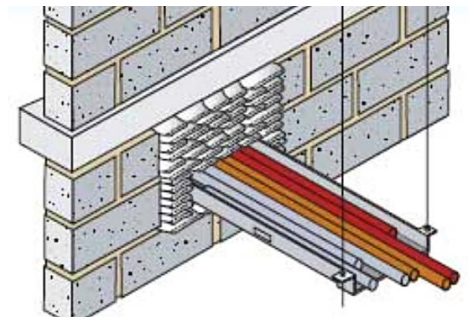
Intumescent Pillows will provide up to 4 hours fire protection to metal services and cables passing through compartment floors and walls. The pillows are simply packed tightly in between penetrating services and the wall. In a floor, pillows are additionally supported by means of a mesh support system. Under fire conditions, the pillows expand several times their original volume to form an effective seal around service penetrations.

#### PILLOWS ARE SUITABLE FOR USE WITH:

- Metal Pipework
- Cable Trays
- Electrical Trunking (inside and outside)

#### PRODUCT FEATURES & BENEFITS

- Simple to install
- Easy to remove and reinstate whilst changing services
- Maintenance free
- Dry System
- 3rd Party Certificated



#### SUITABLE WALL AND FLOOR CONSTRUCTION:

Concrete, Blockwork or Brick Walls and Floors.

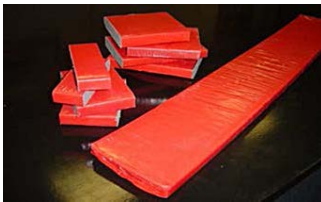
#### SUITABLE FOR USE WITH:

Steel Tube, Cable Tray, Trunking & Basket

CODE	STOCK ITEM DESCRIPTION:	BOX QTY
PFPP050	35 x 50 x 300mm Fire Pillows	50
PFPP100	35 x 100 x 300mm Fire Pillows	40
PFPP150	35 x 150 x 300mm Fire Pillows	40
PFPP200	35 x 200 x 300mm Fire Pillows	30

## Passive Fire & Acoustic Protection

### Fire Stop Block



#### FIRE TESTING

Tested to BS EN 1366-3:2009  
 for up to 120 minutes

Test Report No: IF11059B  
 Chiltern Int. Fire

EI120 on up to 100x100mm  
 PVC Trunking

EI120 on up to 150x150mm  
 Steel Trunking

Up to EI120 on Cable Baskets  
 with various Cables

#### PRODUCT INFORMATION

TENMAT's Firefly 108 Fire Stop Block is a unique, compressible and fully intumescent alternative to fire pillows / intumescent pillows. The Fire Stop Block can be supplied in up to 1 metre lengths and can be cut to size on site. This ensures maximum flexibility and minimum wastage compared to traditional fire pillows. The material can be installed within and around various electrical penetrations and provides up to 120 minutes fire rating.

#### PRODUCT FEATURES & BENEFITS

- 2 Hour Fire Rated
- Available in 1 metre lengths to allow cutting to suit
- Alternative to fire pillows
- Red coating provides easy recognition
- Easy to add and remove
- Square edges are easy to stack
- No overlapping required - lower cost
- Can be installed from one side
- 150mm length can provide a clean wall solution
- Compressible material for simpler installation
- Only min. 10% compression required

#### SUITABLE WALL AND FLOOR CONSTRUCTION:

Concrete, Blockwork or Brick Walls.

#### SUITABLE FOR USE WITH:

Cable Tray, Trunking & Basket

#### TYPICAL USAGE

150x50mm = 0.3 lengths

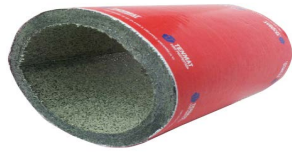
100x100mm = 0.3 - 0.4 lengths

150x150mm = 0.75 - 0.9 lengths

CODE	STOCK ITEM DESCRIPTION:	BOX QTY
PFPFSB	Firefly 108 Fire Stop Block 30 x 150 x 1000mm	1

## Passive Fire & Acoustic Protection

### Intumescent Domestic Ventilation Sleeves



#### PRODUCT INFORMATION

The Firefly 109 Vent Duct Fire Sleeves provide up to 2 Hours Fire Resistance to round & rectangular PVC ventilation ducting. The Firefly 109 Vent Duct Fire Sleeves are fire tested to BS 476 & EN 1366-3:2009, the accepted British & European wide fire test standard required to meet UK Building Regulations. The latest EN fire testing was carried out using the Uncapped/Uncapped (U/U) pipe / duct end configurations as required for ventilated systems. The Firefly 109 Vent Duct Fire Sleeves are particularly for use in plasterboard partitions, but can be used in blockwork walls.

#### PRODUCT FEATURES & BENEFITS

- 30, 60 & 120 Minute Fire Rated Integrity & Insulation
- Simple & quick to install, no screws or supports needed
- No Metal Sleeving required
- Available to fit most common vent duct sizes
- Assessed for use in series around multiple ducts

#### FIRE TESTING

BS EN 1366-3: 2009 & BS 476: Part 20: 1987

#### FIRE RATING:

EI120 (120 mins Integrity & Insulation)

Report No.'s: RF10167, IF11007, IF10066, IF05055, IF06016 / Chiltern Fire PAR/11078/01-IFC Assessment

#### SUITABLE WALL AND FLOOR CONSTRUCTION:

Plasterboard Partition, Concrete, Blockwork or Brick Walls.

#### SUITABLE FOR USE WITH:

Domestic Ventilation PVC Ducting  
 110 x 54, 204x60, 225x25, 300x25 & 220x90 Rectangular Duct  
 100mm, 125mm & 150mm Round Duct

#### CONSTRUCTIONS COVERED:

Plasterboard Partitions & Masonry Walls.

CODE	STOCK ITEM DESCRIPTION:	BOX QTY
PFPVDS20460	204 x 60mm Vent Duct Fire Sleeve Low Profile 2Hr	6
PFPVDS11054	110 x 54mm Vent Duct Fire Sleeve Low Profile 2Hr	10
PFPVDS22090	220 x 90mm Vent Duct Fire Sleeve Low Profile 1Hr	12
PFPVDS100	100mm Round Domestic Vent. Fire Sleeve 2Hr	18
PFPVDS125	125mm Round Domestic Vent. Fire Sleeve 2Hr	24
PFPVDS150	150mm Round Domestic Vent. Fire Sleeve 2Hr	12

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