FPC(UK) Ltd Manufacturers and suppliers of quality Firesure® Fire Protection Products.

Tel:- 01384 633660
www.fpc-uk.com Email:- sales@fpc-uk.com

DATA SHEET 10105 Home of Firesure® `Fire Protection Certified`, range of

MIRFSD Metal Intumescent Fire Sleeves for Ducting and Cable trays

Description

The Firesure® MIRFSD metal intumescent sleeve is designed for and suitable for use with rectangular Square ducting, and Cable Trays through stud partitioning and masonry walls giving up to 120 minutes fire protection. Supplied pre made to be fitted pre ducting/cable tray installation or can be ret-rofitted on existing systems due to opening lid. Tested ducting stacked three high in 60 minute stud partitioning through Firesure® slab/batt. For round see data sheet 10106. The FPC range of Firesure® is probably the only range backed by **Failure to perform insurance called Efficacy insurance (or 'failure to perform' cover) protects you against the legal liability for injury to third parties, or damage to third party property, when a product or service you supply fails to perform its intended function subject to being fitted all in accordance with specified installation details and within the tested scope of application. Covered up to**

Features and Benefits

For MIRFSD Ducting and cable trays

Tested to BS EN 1363-1:2012 and BS EN 1366-3:2009

Tested in walls including with Uncapped/Uncapped duct configurations required for ventilation ducts and pipes

Tested on more onerous stud walls without insulation

Tested through unlined and insulated wall openings and through openings using pattress fitted Firesure® Slab/Batt

Up to and in excess of 2 hours fire rating achieved in differing lengths up to 220mm long

Can be used stacked 3 high through walls rated up to 60 minutes fixed to tested specification on ducting.

Suitable for insulated and non-insulated partitions

No mechanical fixings required – Can also be retrofitted

Unaffected by water/moisture.

Cost effective, Easy to install, Maintenance free, Available in range of sizes

Edges around sleeves MUST be sealed with Firesure® fire and acoustic mastic to meet product certification

Manufactured from Galvanized Steel sheeting to any size or lengths ie 270mm & 350mm ut

Manufactured using Galvanised Steel

Made from high performing Firesure® intumescent core material

*** Manufactured in various lengths ***
*** Tested up to 220mm long ***

All orders are fulfilled to the terms and conditions of sale of FPC-UK Ltd

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Below are duct and tray sizes generally stocked any other sizes are made to order
order use code MIRFSD- (state duct size)- (state duct length) Example; MIRFSD-204x60-180

DUCT/PIPE SIZE mm	110mm LONG	160mm LONG	180mm LONG	200mm LONG	220mm LONG
110mm x 54mm	S	S	S	S	S
110mm x 60mm	**S**	**S**	**S**	**S**	**S**
204mm x 54mm	S	S	S	S	S
204mm x 60mm	S	S	S	S	S
220mm x 90mm	**S**	**S**	**S**	**S**	**S**
235mm x 30mm	S	S	S	S	S
310mm x 30mm	S	S	S	S	S
180mm x 90mm	**S**	**S**	**S**	**S**	**S**

Application - Installation Instructions

Caution; It is advised to wear gloves to fit on site

The Firesure® metal intumescent sleeve must be positioned centrally to bridge the cavity within stud partitioning, so that as a minimum it is flush with both faces of the wall, or protrudes from each face to show fire sleeve installed.

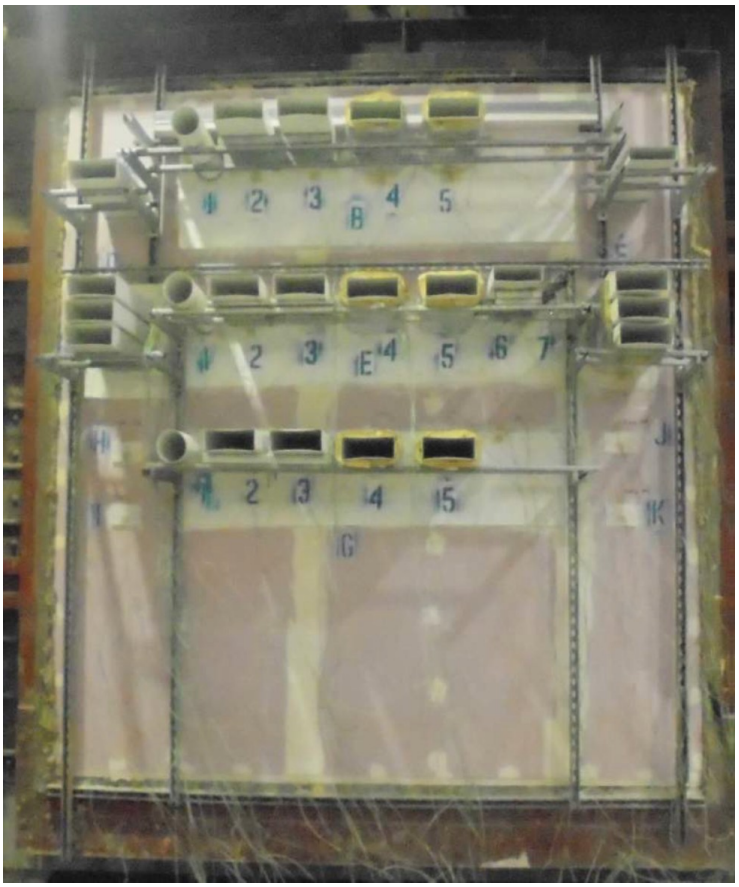
The plasterboard should be cut to be as tight a fit as possible around the Firesure® metal intumescent fire sleeve, or use Firesure® Slab/Batt infilled or pattress fitted when 2 or 3 sleeves are stacked. All edges and any gaps must be sealed with Firesure® Intumescent Mastic to comply with certification and insurance warrantee.

In a fire the intumescent expands and being contained within the metal sleeve it expands and closes the hole left by the collapsing ducting retaining the structures integrity.

The Firesure® metal intumescent sleeve is made to suit the size of the ducting and cut to the length required.

To ease installation of the Firesure® metal intumescent sleeve a self adhesive tab is attached to secure the sleeve whilst positioning through the wall/partition.

The Firesure® metal intumescent sleeve is not sold without the Firesure® Intumescent Mastic to comply with certifica-



This product should be fitted as above. All the information issued in this data sheet is believed to be current and accurate at date of publication, but in no way is it intended as a warranty, expressed or implied . User must satisfy themselves as to suitability for their individual application and use. It is users responsibility to ensure they have correct up to date issue of this data sheet.

Single unit size EXTERNAL SIZES mm ducting/pipe/void	BEAD of mastic Dia mm	For Guidance Only Units per 310ml tube sealant one side of wall, ceiling or floor	For Guidance Only Units per 310ml tube sealant two sides wall, ceiling or floor
110mm x 60mm	5	38	17
204mm x 60mm	5	26	13
220mm x 90mm	5	20	10
60mm x 60mm	5	48	24
100mm x 30mm	5	48	24
100mm x 60mm	5	38	19
150mm x 30mm	5	34	17
150mm x 60mm	5	30	15
200mm x 30mm	5	28	14
200mm x 60mm	5	24	12
300mm x 30mm	5	18	9
300mm x 60mm	5	16	8
30mm OD	5	120	60
40mm OD	5	90	45
50mm OD	5	76	38
60mm OD	5	64	32
70mm OD	5	56	28
75mm OD	5	50	25
80mmOD	5	46	23
90mm OD	5	40	20
100mmOD	5	38	19
110mm OD	5	34	17
115mm OD	5	32	16
125mm OD	5	30	15
140mm OD	5	28	14
150mm OD	5	26	13
160mm OD	5	24	12
170mm OD	5	22	11
180mm OD	5	22	11
190mm OD	5	20	10
200mm OD	5	20	10
250mm OD	5	14	7
300mm OD	5	12	6
400mm OD	5	10	5
500mm OD	5	8	4
10 Lin Mts run	**3**	32 lin mts per 310ml	
10 Lin Mts run	**5**	12 lin mts per 310ml	
10 Lin Mts run	**8**	6 lin mts per 310ml	

All data is for guidance only we recommend to add extra 10% in number of tubes to above to help cover for site wastage and extra usage on site . …..