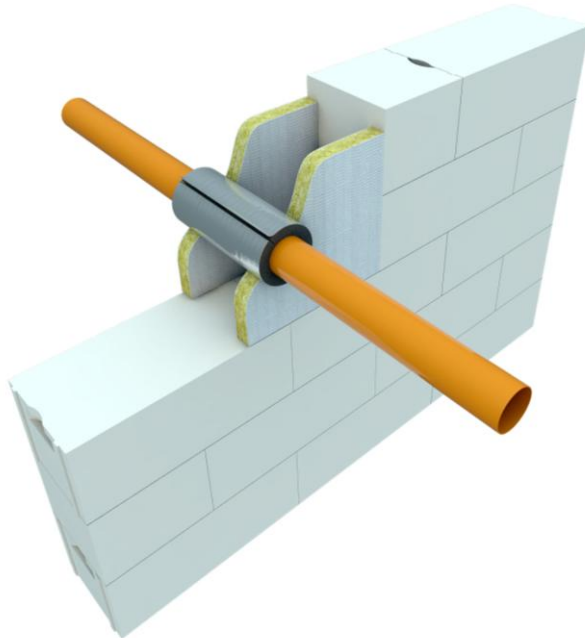


PFC Corofil Insulated Fire Sleeve



Application

PFC Corofil Insulated Fire Sleeves are a pipe closure device, installed around metal and plastic pipes to form a penetration seal, to reinstate the fire resistance performance of non load bearing wall and floor constructions where they have been provided with apertures for the penetration of the services.

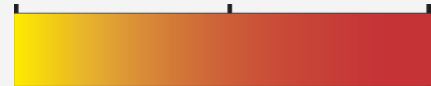
General benefits:

- Acoustic rating of up to 49dB
- No over sleeving required
- Comprehensive range of sizes
- Reduces cold bridging on insulated pipe systems
- Suitable for use with brick, block, masonry, plasterboard and PFC Corofil Coated panel System

FIRE RATINGS

Tested to BS476Part 20:1987
EN1366-3:2009

0 2hr 4hr



Fire Rating

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TECHNICAL INFORMATION

Available from our technical sales office.

Email tech@pfc-corofil.com for:

- Safety Data Sheet (SDINFS)
- Installation Instructions (MSINFS)





PFC Corofil Insulated Fire Sleeve

TECHNICAL INFORMATION

Description

PFC Corofil Insulated Fire Sleeve is a flexible intumescent material, consisting primarily of mineral fibres, intercalated graphite and organic binders formed into a pipe sleeve. Grey in colour it has a glass fibre reinforced aluminium foil cladding around the perimeter along its full length. Supplied in various diameters to suit specific pipe sizes it has a nominal 25mm thick wall. It can be cut down along its length to aid fitment and a strip of aluminium foil tape is used to seal the joint.

Specification

Flexible and rigid walls must be a minimum 132mm thick. Flexible walls may be constructed with or without insulation in the cavity.

Rigid floors must be a minimum 150mm thick.

Suitable for PVC, HDPE, copper and steel pipes.

Fire rating for pipes in flexible and rigid wall constructions with a minimum thickness of 132mm

Pipe Outside Diameter mm	Pipe wall thickness s mm	Pipe material	Minimum length of sleeve mm	Minimum protrusion of sleeve each side of wall mm	Integrity/Insulation EI
15	1 to 14.2	Metal	150	9	EI120
15 to 159	1 to 14.2 2 to 14.2	Metal	150	9	E120/EI30
22 to 165	2.5 to 14.2	Steel (uninsulated)	150	0	E120 EI0
15 to 160	1.8 to 3.2	PVC-U	180	24	EI120
15 to 110	3.0 to 4.3	HDPE	180	24	EI120
15 to 160	3.0 to 6.2	HDPE	180	24	EI90

Fire rating for pipes in rigid wall constructions with a minimum thickness of 150mm

Pipe Outside Diameter mm	Pipe wall thickness mm	Pipe material	Minimum length of sleeve mm	Minimum protrusion of sleeve each side of wall mm	Integrity/Insulation EI
15 to 110	3.2 to 3.2	PVC-U	150	0	EI240



This data sheet shows the only applications the product has been tested in. Please ensure the product has been tested in, and is suitable for your application (see PFC Corofil terms and conditions 13.1.1).

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PFC Corofil Intumescent Fire Sleeve

Fire rating for pipes in rigid floor constructions with a minimum thickness of 150mm

Pipe Outside Diameter mm	Pipe wall thickness mm	Pipe material	Minimum length of sleeve mm	Minimum protrusion of sleeve each side of wall mm	Integrity/ Insulation EI
15 to 160	3.2 to 3.2	PVC-U	175	25	EI120
15 to 40	3.0 to 3.0	PVC-U	150	0	EI120
15 to 160	3.0 to 6.2	HDPE	150	0	EI120

Fire rating for pipes in rigid floor constructions in conjunction with PFC Corofil Compound with a maximum aperture of 330mm x 330mm

Pipe Outside Diameter mm	Pipe wall thickness mm	Pipe material	Minimum length of sleeve mm	Minimum protrusion of sleeve each side of wall mm	Integrity/ Insulation EI
15 to 160	3.2 to 3.2	PVC-U	150	0	EI90
15 to 110	3.2 to 3.2	PVC-U	150	0	EI120
15 to 160	4.3 to 6.2	HDPE	150	0	EI120

Acoustic

PFC Corofil Insulated Fire Sleeves have been tested to provide a Weighted Sound Reduction Index (Rw) of up to 49db. The compressible nature of the material used to manufacture the product can reduce the potential of any structural borne pipe noise

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PFC Corofil Insulated Fire Sleeve

Fire rating and approved pipe materials when installed in PFC Corofil Coated Panel System. Not suitable for pipes vented to the atmosphere

Pipe outside diameter mm	Pipe wall thickness mm	Pipe material	Integrity		Insulation	
			1 x 50mm coated panel	2 x 50mm coated panel	1 x 50mm coated panel	2 x 50mm coated panel
15-28	2.5	Polybutylene	60	120	60	120
32	2.9	Aquatherm Blue PP-R	60	120	60	120
40	3.7	Aquatherm Blue PP-R	60	120	60	120
40	3	HDPE	60	120	30	120
43	1.8	PVCu	60	120	30	120
55	2	PVC	60	120	30	120
56	2.3	HDPE	60	120	30	120
57	4	ABS	60	120	30	120
82	3.2-4.0	PVC, PVCu	60	120	30	120
90	3.5	HDPE	60	120	30	120
110	3.2-4.0	PVC, PVCu	60	120	30	120
110	4.3	HDPE	60	120	30	120
110	5	ABS	60	120	30	120
125	11.4	Aquatherm Blue PP-R	60	90	60	90
160	3.2-4.5	PVC, PVCu	60	120	30	120
160	6.2	HDPE	60	120	30	120
160	6.7	ABS	60	120	30	120
12-15	1-2	Copper	60	120	60	120
22-160	2-3	Copper	60	120	15	15
22-160	2-3	*Copper with lagging	60	120	30	120
22	3.5	Steel	60	120	60	120
40-160	5	Steel	60	120	60	18
40-160	5	*Steel with lagging	60	120	30	120

*Lagging = Mineral rock fibre sleeve, 25mm thick, tied to full pipe length

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PFC Corofil Insulated Fire Sleeve

Available Pipe Sleeve Sizes

Sleeve Inside Diameter mm	Pipes with nominal outside diameter mm	Nominal thickness of sleeve mm	Recommended aperture diameter mm
17	15-19	25	67
21	19-23	25	71
27	25-29	25	77
34	32-36	25	84
42	40-44	25	92
48	46-50	25	98
54	52-56	25	104
60	58-62	25	110
67	65-69	25	117
76	74-78	25	126
80	78-82	25	130
89	87-91	25	139
102	100-104	25	152
108	106-110	25	158
114	112-116	25	164
127	125-129	25	177
134	132-136	25	184
140	138-142	25	190
159	157-161	25	209
160	158-162	25	210

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Please order from our technical sales office.

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Doc Reference				TDINFS			
PB	SE	CB	CI	AB			
This Copy				Review Date			
April 2018				April 2020			