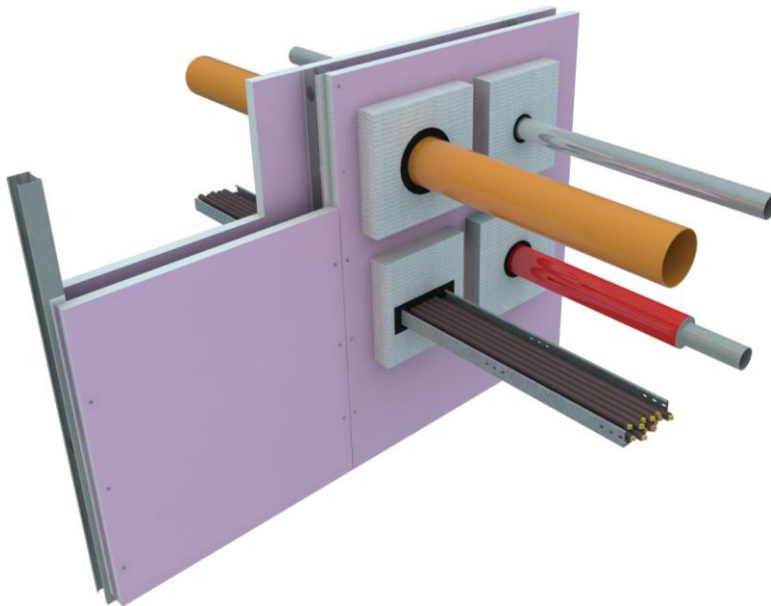
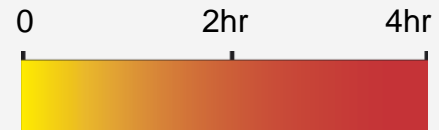


PFC Corofil Coated Panel System



FIRE RATINGS

Tested to
BS 476:Parts 20 & 22:1987
EN:1366-3:2009



Fire Rating

TECHNICAL INFORMATION

Available from our technical sales office.

Email tech@pfc-corofil.com for:

- Safety Data Sheet (SDPANE)
- Installation Instructions (MSPAN E)
- Product Certification





PFC Corofil Coated Panel System

Application

PFC Corofil Coated Panel System is used to firestop mechanical, electrical and plumbing services where they pass through fire rated walls. Tested in accordance with BS 476 Parts 20 & 22:1987 & EN1366-3:2009,

General benefits:

- Cold smoke seal
- Improved air tightness
- Improves acoustic performance (up to Rw of 65dB)

Description

PFC Corofil Coated Panel System consists of a 50mm thick mineral fibre batt minimum density 160kg/m³, coated on both faces with a white ablative coating nominally 1mm thick and comprises three elements:

- PFC Corofil Coated Panel (1200mm x 600mm x 50mm)
- PFC Corofil Acoustic Intumescent Sealant (TDAISE)
- PFC Corofil Ablative Coating (TDCOAT)

Fire rating when installed within masonry or concrete wall “in plane”

Maximum Aperture (mm x mm)	Panel Configuration	Integrity (minutes)	Insulation excluding penetrations (minutes)
600 wide x 1200 high	1 x 50mm	240	60
1200 wide x 600 high	1 x 50mm	240	60
600 wide x 1200 high	2 x 50mm with a 50mm air gap between panels	240	120
1200 wide x 600 high	2 x 50mm with a 50mm air gap between panels	240	120

Insulation ratings are shown for PFC Corofil Coated panel System installed without penetrations. Actual insulation ratings will vary dependent on the type, size and quantity of the penetrations.

Insulation is reduced to 90 minutes if coated panels are installed back to back without an air gap.

TECHNICAL INFORMATION



Certificate number: FS453/02



P12 325



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).



PFC Corofil Coated Panel System

Fire rating when installed within a plasterboard partition “in plane”

Maximum Aperture (mm x mm)	Panel Configuration	Integrity (minutes)	Insulation excluding penetrations (minutes)
800 high x 600 wide installed in a 30 minute plasterboard partition	2 x 50mm installed back to back	30	30
800 high x 600 wide installed in a 60 minute plasterboard partition	2 x 50mm installed back to back	60	60
600 high x 535 wide	2 x 50mm installed with an air gap	120	60
1200 x 600	1 x 50mm	60	60

Insulation ratings are shown for PFC Corofil Coated panel System Installed without penetrations. Actual insulation ratings will vary dependent on the type, size and quantity of the penetrations



PFC Corofil Coated Panel System

Fire rating when installed as a Patress System around individual steel/copper pipe or cable/cable bundle within a single aperture

Maximum Aperture (mm x mm)	Panel Configuration	Integrity (minutes)	Insulation excluding penetrations (minutes)
1000 x 1000 Plasterboard partition	50mm (each face)	120	120
1000 x 1000 Blockwork wall	50mm (each face)	180	120

Fire rating when installed as a Patress System around multiple steel/copper pipe and or cable penetrations within a single aperture

Maximum Aperture (mm x mm)	Panel Configuration	Integrity (minutes)	Insulation excluding penetrations (minutes)
1000 x 1000 Plasterboard partition	50mm (each face)	120	120
1000 x 1000 Blockwork wall	50mm (each face)	180	120

Note: (Plasterboard partition) 120 minutes is the maximum performance when Installed in a partition with 2 layers of 15mm plasterboard on both faces of steel or timber studs, and designed to provide 120 minutes integrity and insulation. When installed in partitions designed to give 30, 60, 90 minutes fire resistance, respectively, the penetration seal will maintain the fire resistance of the partition at the lesser rating, as applicable, subject to limitations.

Note: (Insulation Ratings) The insulation performance will be reduced local to Some penetrations. Please see tables on the following page of approved pipes and cables for limits when installed as a patress system.



PFC Corofil Coated Panel System

Pipes approved for use with PFC Corofil coated panel installed as a Patress System (Please contact tech@pfc-corofil.com for exact configurations)

Pipe outside diameter (mm)	Pipe wall thickness (mm)	Pipe material	Including 25mm thick rock mineral fibre insulation	Local insulation performance on penetration (minutes)
15-45	1.2-1.5	Copper	Yes	120
15-45	1.2-1.5	Copper	No	90
15-45	2.5-5.0	Steel	Yes	120
15-45	2.5-5.0	Steel	No	90
46-160	1.2-1.5	Copper	Yes	120
46-160	1.2-1.5	Copper	No	11
46-160	3.0-5.2	Steel	Yes	90
46-160	3.0-5.2	Steel	No	30

Cables approved for use with PFC Corofil Coated Panel System installed as a Patress System (Please contact tech@pfc-corofil.com for exact configurations)

Approved cable types	Local insulation performance on penetration (minutes)
Multi core 'Power' cables including copper conductors and sheathed with PVC; with or without steel wire armour. Maximum outside diameter 23mm	Based upon measurements taken during testing, the insulation criteria were generally maintained for approximately 90 minutes. However it is not possible to quantify the likely insulation performance of different cable types and combinations approved herein
Multi-core 'twin & earth' cables, including copper conductors and sheathed with PVC	

Cat 5 Data cables

Acoustic

Weighted Sound Reduction Index (Rw) of up to 65dB. Please contact our technical sales office with details of:

- Wall construction
- Acoustic rating required
- Size of opening
- Type & number of penetrations

Please order from our technical sales office.

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