

PFC Corofil Fire Rated Silicone Sealant

Application

PFC Corofil Fire rated silicone sealant is designed to be used to seal small gaps around metal based services (steel pipes & cables) penetrating concrete, masonry or blockwork walls, subject to limitations on size and type of penetration. PFC Corofil Fire rated silicone sealant can also be used for sealing linear joints in masonry, concrete or blockwork walls subject to limitations on the size of the joint and the surfaces to be sealed.

General benefits:

- Provides up to 4 hours fire protection in linear joints up to 40mm wide
- Suitable for steel pipes up to 75mm diameter
- Suitable for cable bundles up to 50mm diameter

Colours

PFC Corofil Fire Rated Silicone Sealant is available in white.

Coverage

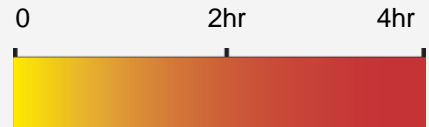
PFC Corofil Fire Rated Silicone Sealant is available in 310ml cartridges. One cartridge will provide the approximate coverage rate as shown in the table below

Joint Size	Metres per 310ml cartridge
15mm x 10mm	2.06
25mm x 15mm	.82

The sealant should not be applied if the ambient temperature is below 5°C as adhesion will be impaired.

FIRE RATINGS

Tested to EN1366-3:2004
EN1366-4:2006



Fire Rating

TECHNICAL INFORMATION

Available from our technical sales office.

Email tech@pfc-corofil.com for:

- Safety Data Sheet (SDFRSS)
- Installation Instructions (MSFRSS)
- Product Certification



Certificate number: FS453/15



PFC Corofil Fire Rated Silicone Sealant

Fire rating when installed in PFC Corofil coated panel system (twin layer) with a minimum 50mm air gap around multiple steel pipe or cable in a masonry or concrete wall

Thickness of sealant and coated panel (mm)	Integrity (minutes)	Insulation With penetrations (minutes)	Maximum aperture dimensions (mm)
5+50+50+5	240 mins	240 mins (with approved cables)	600 x 600
5+50+50+5	240 mins	240 mins (with pipes <32mm diameter)	600 x 600
10+50+50+10	240 mins	180 mins (with pipes 32-75mm diameter)	600 x 600

Note: Individual cables or cable bundles installed through a maximum 30mm steel conduit will reduce the insulation performance to a maximum of 180 minutes. (Conduits must not be a short length and should be part of a continuous System without any uncapped joints.)

Maximum sizes of steel pipe approved for the above fire rating table.

Steel Pipe outside diameter (mm)	Steel pipe wall thickness (mm)
<32	2.5 - 3.5
32 - 75	3.0 - 5.0

Approved Cable types for the above fire rating table

Multi-core 'power' cables including copper conductors and sheathed with PVC; with or without steel armour. Maximum outside diameter 23mm

Multi-core 'twin & earth' cables, including copper conductors and sheathed with PVC

Cat 5 data cables

Where the aperture is 200mm x 200mm or less only a single penetration (pipe or cable) may be installed, but multiple penetrations may be installed in larger apertures; All cases are subject to the minimum 50mm separation and margins herein.

If cables are supported by a cable tray the maximum size is 100mm x 25mm. They must be of perforated steel sheet and nominally 1mm – 15m thick

PFC Corofil Fire Rated Silicone Sealant

Fire rating when installed as a linear gap seal in masonry, blockwork or concrete walls (one face) using PFC Corofil C144 firestop strip as a mineral wool backer

Height of gap (mm)	Depth of sealant (mm)	Depth of C144 mineral wool backer (mm)	Integrity/Insulation
<10	10	10	240/240
11 – 15	10	15	240/240
16 – 25	15	25	240/180
26 - 40	25	40	240/180

Fire rating when installed as a linear gap seal in masonry, blockwork or concrete Walls (both faces) using PFC Corofil C144 firestop strip as a mineral wool backer

Height of gap (mm)	Depth of sealant (mm)	Depth of C144 mineral wool backer (mm)	Integrity/Insulation
<10	10	10	240/240
11 – 15	10	15	240/240
16 – 25	15	25	240/240
26 – 40	25	40	240/240

Please order from our technical sales office.

PFC Corofil
Units 3-4
King George Trading Estate
Davis Road
Chessington
Surrey KT9 1TT

Tel: + 44 (0) 208 391 0533

Fax: + 44 (0) 208 391 2723

Email: sales@pfc-corofil.com

Website: www.pfc-corofil.com