

PFC Corofil LUL Intumescent Sealant



Application

PFC Corofil LUL Sealant is used to seal linear gaps in walls and floors and small gaps around metal based services in areas requiring low smoke emissions during a fire such as the London Underground rail system.

Depending on the integrity and insulation required for any particular application, the sealant is applied to one or both faces of the wall/floor over a backing material. The backing material should be PFC Corofil C144 firestop strip.

Tested in accordance with BS476 Part 20:1987 & BS EN1366-4:2006, PFC Corofil LUL Intumescent Sealant provides up to 4 hours fire protection when installed with a C144 firestop strip as backing material.

Description

PFC Corofil Acoustic Intumescent Sealant is a one part intumescent sealant, extruded from a cartridge loaded into a standard sealant gun. The depth of the joint will depend on the gap to be filled and the fire rating required (see fire rating tables).

FIRE RATINGS

Tested to
*BS 476:Part 20:1987
*BS EN1366-4:2006



Fire Rating

**Not every application in this data sheet has been tested to both BS & EN standards. Please contact our technical department for details*

TECHNICAL INFORMATION

Available from our technical sales office.

Email: tech@pfc-corofil.com for:

- Safety Data Sheet (SDLULS)
- Installation Instructions (MSLULS)
- Product Certification



PFC Corofil LUL Intumescent Sealant

Specification

PFC Corofil LUL intumescent sealant can be used to seal around steel pipes up to 60mm diameter and for sealing around single cables up to 15mm diameter in masonry walls and plasterboard lined stud partitions.

Plasterboard lined stud partitions must provide at least equal or greater fire resistance performance than that required of the PFC Corofil LUL Intumescent Sealant. The sealant and backing material should be applied to both faces of the plasterboard partition and the thickness of each face of the plasterboard partition must be at least equal to the thickness of the seal and backing material which must be installed on both faces.

PFC Corofil LUL Intumescent Sealant is not designed or approved for use in expansion gaps or in any scenario whereby the width of the gap may vary as a result of movement generated by the adjacent construction

Colours

The sealant is available in 310ml cartridges white and grey* (*Full Pallets Only).

Fire rating for linear joints in masonry, block, concrete walls (one face)

Height of Gap (mm)	Depth of sealant (mm)	Minimum depth of C144 backer (mm)	Integrity	Insulation
Up to 15	10	25	240 mins	60 mins
Up to 15	20	25	240 mins	120 mins
16 - 20	15	25	240 mins	60 mins
21 - 30	15	25	120 mins	60 mins
21 - 35	20	25	240 mins	120 mins

Fire rating for linear joints in masonry, block, concrete walls (both faces)

Height of Gap (mm)	Depth of sealant (mm)	Minimum depth of C144 backer (mm)	Integrity	Insulation
Up to 20	10	25	240 mins	240 mins
21-30	10	25	120 mins	120 mins
21-35	20	25	240 mins	240 mins



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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Fire rating for linear joints in concrete floor (one face)

Height of Gap (mm)	Depth of sealant (mm)	Minimum depth of C144 backer (mm)	Integrity	Insulation
Up to 15	10	25	240	60
Up to 15	20	25	240	120
16 - 20	15	25	240	60
21 - 30	15	25	120	60
21 - 35	20	25	240	120

Fire rating for linear joints in concrete floor (both faces)

Height of Gap (mm)	Depth of sealant (mm)	Minimum depth of C144 backer (mm)	Integrity	Insulation
Up to 20	10	25	240 mins	240 mins
21-30	10	25	120 mins	120 mins
21-35	20	25	240 mins	240 mins

Fire rating for linear joints in walls and floors with hardwood facing which must have a minimum density of 650 kg/m³ (one face)*

Height of Gap (mm)	Depth of sealant (mm)	Minimum depth of C144 backer (mm)	Integrity	Insulation
Up to 10	15	25	30 mins	30 mins
Up to 10	20	25	60 mins	30 mins
Up to 10	25	25	60 mins	60 mins
Up to 10	40	25	90 mins	90 mins
11-25	15	25	30 mins	30 mins
11-25	25	25	60 mins	60 mins

Fire rating for joints in walls and floors with timber facing which must have a minimum density between 450 kg/m³ & 649 kg/m³ (one face)*

Height of Gap (mm)	Depth of sealant (mm)	Minimum depth of C144 backer (mm)	Integrity	Insulation
Up to 10	15	25	30 mins	30 mins
Up to 10	35	25	60 mins	60 mins
Up to 10	40	25	90 mins	90 mins
11-25	15	25	30 mins	30 mins
11-25	35	25	60 mins	60 mins

PFC Corofil LUL Intumescent Sealant

Fire rating for linear joints in walls and floors with timber facing which must have a minimum density of at least 450 kg/m³ (both faces)*

Height of Gap (mm)	Depth of sealant (mm)	Minimum depth of C144 backer (mm)	Integrity	Insulation
Up to 10	10	25	30 mins	30 mins
Up to 10	15	25	60 mins	60 mins
Up to 10	25	25	90 mins	90 mins
11-25	10	25	30 mins	30 mins
11-25	20	25	60 mins	60 mins
11-25	30	25	90 mins	90 mins

Fire rating for linear joints in walls and floors with a steel interface (one face)*

Height of Gap (mm)	Depth of sealant (mm)	Minimum depth of C144 backer (mm)	Integrity	Insulation**
Up to 10	15	25	120	30
Up to 10	25	25	240	60
11-25	15	25	120	30
11-25	25	25	240	60

Fire rating for linear joints in walls and floors with a steel interface (both faces)*

Height of Gap (mm)	Depth of sealant (mm)	Minimum depth of C144 backer (mm)	Integrity	Insulation**
Up to 10	15	25	120	120
Up to 10	25	25	240	240
11-25	15	25	120	120
11-25	25	25	240	240

*Limitations on timber and metal interfaces apply.

** The insulation ratings applies to temperatures measured on the unexposed faces of the sealant. The insulation ratings of the steel will depend upon the characteristics of the item concerned and cannot be quantified in this generic data sheet.

Please contact tech@pfc-corofil.com for further details

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Fire rating for steel pipes and cables penetrating a masonry/concrete wall or floor or plasterboard lined partitions (one face)

Service penetration	Annular Gap (mm)	Depth of sealant (mm)	C144 backer (width mm x depth mm)	Integrity	Insulation *
Steel pipe up to 60mm diameter	15	25	20 x 25	120 mins	30 mins
Steel pipe up to 60mm diameter	15	40	30 x 25	240 mins	60 mins
Cable	10	20	15 x 25	120 mins	60 mins
Cable	10	35	15 x 25	240 mins	60 mins

Fire rating for steel pipes and cables penetrating a masonry/concrete wall or floor or plasterboard lined partitions (both faces)

Service penetration	Annular Gap (mm)	Depth of sealant (mm)	C144 backer (width mm x depth mm)	Integrity	Insulation *
Steel pipe up to 60mm diameter	15	25	30 x 25	240 mins	120 mins
Cable	10	15	15 x 25	120 mins	90 mins
Cable	10	25	15 x 25	240 mins	120 mins

*Insulation rating applies to temperatures measured on the unexposed face of the sealant. The insulation rating of the penetrating pipe/cable will depend on the characteristics of the item concerned.

Please order from our technical sales office.

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