

PFC Corofil Intumescent Conduit

Installation Instructions

PFC Corofil Intumescent Conduit is designed to provide a firestop where electrical and telecommunications cables penetrate fire rated walls and floors.

If you are unsure about any details within this method statement, please email tech@pfc-corofil.com

Installation for walls and floors

- A circular hole should be drilled through or cast in the construction to allow a friction fit, the annular gap around the Corofil Intumescent Conduit should not exceed 2mm. Ensure there is sufficient free play so as not to damage the conduit when inserting into the opening. A 10mm bead of PFC Corofil Acoustic Intumescent Sealant should be applied around the conduit, on both faces of the wall and on the upper face of the floor.
- In masonry fire resisting walls the conduit may finish flush with the face of the wall. ie. 150mm conduit in a 150mm wall. In fire resisting floors the intumescent conduit should project at least 10mm above the floor surface
- Alternatively, a 150mm x 150mm hole may be formed in concrete floors or concrete, masonry or blockwork walls and a 50mm thick PFC Corofil Coated Panel installed (see MSPANE for panel installation instructions). The Conduit should be fitted centrally within the Coated Panel and in walls should project equally on each face. In floors the intumescent conduit must project 20mm from the upper face of the surface of the panel. Apply a 10mm bead of PFC Corofil Acoustic Intumescent Sealant to the perimeter of the Coated Panel and around the hole for the Conduit on both faces of the wall or floor.
- Where PFC Corofil Intumescent Conduit is installed within masonry, concrete or blockwork walls, the wall must be at least 150mm thick (excluding any plaster/ render finish). Walls may be formed of a single or double layer. The material used for the construction element shall have a minimum 650kg/m³ density.
- Where the intumescent conduit is used in fire resisting plasterboard partitions on steel studs (see TDCOND for approved wall types), it is not necessary to provide stud framing around the hole cut in the plasterboard faces. More than one intumescent conduit can be installed in each board, but they must be at least 300mm apart and 150mm from any studs.
- When installing PFC Corofil intumescent conduit in plasterboard partitions the intumescent conduit must extend 10mm beyond each face of the plasterboard.
- Cables already insitu through PVC conduits can be used through the Intumescent Conduit if required. If PVC conduits are used in service they should not have a wall thickness greater than 2mm.
- Where cables penetrate through horizontal elements, it must be ensured that the independent supports are clamped securely to the cables and not just to the Conduit.
- Empty Intumescent Conduit shall be sealed with a 15mm deep plug of PFC Corofil acoustic intumescent sealant set back 10mm from each end of the conduit.
- Partially filled Intumescent Conduit shall have the cables bundled tightly together and a 15mm deep plug of PFC Corofil acoustic intumescent sealant applied to the residual voids at each end of the conduit.

Health & Safety Instructions

Please refer to SDCOND

Other Information

Please ensure the product(s) described within this method statement have been tested in, and are suitable for your application.

Doc Reference				MSCOND			
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