

PFC Corofil Insulated Fire Sleeve

Installation Instructions

PFC Corofil Insulated Fire Sleeves are designed to seal around plastic pipes in flexible or rigid walls or concrete floors. PFC Corofil Acoustic Intumescent Sealant can be used to seal the junction between the sleeve and substrate around the aperture for the purpose of creating a cold smoke seal, an improved air seal or improved airborne sound insulation. The Acoustic Intumescent Sealant should also be used when installing within PFC Corofil Coated Panel System.

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

General

- Flexible walls must be a minimum thickness of 132mm and comprise timber or steel stud, faced with at least 2 layers of 15mm gypsum based boards on each face.
- Timber stud walls require a minimum distance of 100mm from the sleeve to a stud. The aperture must be closed and a minimum 100mm insulation of class A1 or A2 in the cavity between the stud and the seal.
- Rigid walls must have a minimum thickness of 132mm for up to EI120 and comprise concrete, aerated concrete or masonry with a minimum density of 650kg/m³.
- Rigid walls requiring EI240 must be a minimum 150mm thick and comprise concrete blocks or masonry with a minimum density of 1100kg/m³
- When installing at minimum 175mm long with a 25mm protrusion, rigid floors must have a minimum thickness of 150mm and comprise concrete with a minimum density of 2400kg/m³
- Rigid floors with apertures to be filled with PFC Corofil Compound must have an aperture no larger than 330mm x 330mm and be of a minimum density of 550kg/m³.
- All supporting constructions must be classified in accordance with EN13501-2 for the required fire resistance period.
- Apertures for the penetration of pipes require separation of a minimum of 200mm.
- Pipes protected by PFC Corofil insulated fire sleeve should be supported a maximum 150mm from each wall face and maximum 450mm from the upper face of floor constructions.
- Pipes must be perpendicular to the seal surface.
- PFC Corofil Insulated Fire Sleeve is 300mm long as standard. It may be cut down to suit the thickness of the wall or floor and any required protrusion.
- If the wall or floor is thicker than the minimum, the length of the Insulated Fire Sleeve should be extended to accommodate the extra thickness and allow for any required protrusion.

- The aperture to be sealed should be nominally 50mm larger than the pipe to be sealed.
- Metal pipes should be fitted with a minimum thickness of 40mm continuous stone wool pipe insulation, product reference Rockwool Rocklap H&V pipe section of 120kg/m³ density butted up to the fire sleeve.
- Pipe configurations U/C and C/C are approved for use
- When installing within a compound aperture there must be a minimum 60mm between the seal and the edge of the aperture.
- Cut the insulated fire sleeve to the required length.
- Make a single cut along the entire length of the fire sleeve.
- Wrap the insulated fire sleeve around the pipe
- Using aluminium foil tape (supplied by others) seal the joint in the sleeve.
- Push the sleeve along the pipe into the aperture. Ensure there is sufficient sleeve protruding through each face of the wall or underside of the floor.

Installation within PFC Corofil Coated Panel System

- See MSPANE for installation instructions for PFC Corofil Coated Panel System.
- When installed within a single layer of 50mm coated panel, the insulated fire sleeve shall be 130mm long and project 40mm from each face of the coated panel.
- Where coated panels are installed as a twin layer, the length of the sleeve must be the length of two coated panels, plus any air gap between, plus 25mm projection from EACH visible face of the coated panel.
- Where the overall length exceeds the standard length of an insulated fire sleeve, two lengths can be joined together. The join must be central within the air gap and sealed with aluminium foil tape (supplied by others). Only two full sleeves may be joined together. Off cuts cannot be joined to make one sleeve.
- There must be a minimum of 50mm of coated panel between any penetration and the edge of the aperture.
- When installed as a patress system, there must be a minimum of 150mm between the edge of the coated panel and any penetration (100mm overlap + 50mm from edge of aperture).
- Where multiple penetrations pass through an aperture there must be a minimum of 50mm coated panel between individual fire sleeves.
- Insulated fire sleeves should fit tightly around the pipe. Any gaps between the fire sleeve and the coated panel (Maximum 5mm) should be sealed with a bead of PFC Corofil acoustic intumescent sealant so that it overlaps the face of the adjacent components.

Health & Safety Instructions

Please refer to SDINFS

Other Information

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

Doc Reference				MSINFS			
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