PFC Corofil Coated Panel System

Installation Instructions

PFC Corofil Coated Panel System is used to prevent the spread of fire into adjoining compartments through service penetration openings in walls for a specified period of up to 4 hours. Depending on the fire protection and acoustic performance required, either a single panel or two layers of panel are installed. Openings with a dimension greater than 1200mm will require structural support to ensure stability in a fire situation.

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

General

- Protect from moisture and impact damage.
- Masonry/concrete walls should be at least 100mm thick (excluding render/plaster) and be a minimum 650kg/m3 density.
- Plasterboard partitions must achieve at least the fire rating required of the coated panel system.
- Remove all loose material and dust from the wall opening.
- Ensure all substrates are free of oil, grease and all bond breaking contaminants and are clean and dry.
- Ensure all service penetrations have been fire protected using the correct PFC Corofil product (see separate method statements for installation instructions).
- Ensure there is a minimum 50mm width of coated panel between penetrations and 25mm between penetrations and the edge of the opening.
- Where multiple penetrations of steel/copper pipes and cables, trays or cable bundles are installed, ensure there is a minimum 150mm of coated panel between pipes and cables, trays or bundles.
- The maximum diameter of any cable bundle is 60mm
- Cables may pass through steel conduit (maximum 30mm diameter). The conduit must form part of a continuous system and not be a short length or include any uncapped junctions local to the penetration seal. The coated panel shall fit closely around the conduit and PFC Corofil acoustic intumescent sealant applied to the interfaces.
- Plastic pipe penetrating coated panel is only approved with PFC Corofil insulated firesleeves (TDINFS) and PFC Corofil universal wrap (TDUNIW).
- Maximum diameter for steel/copper pipes is 150mm.
- Insulation is only permitted around pipes passing through the coated panel when installing PFC Corofil Universal Wrap (TDUNIW) as the penetration seal around the insulated pipes.
- If installing without Universal wrap the insulation should be cut short of the panel on both sides. Insulated fire sleeves (TDINFS) should be used to reduce the effects of cold bridging.
- Apply PFC Corofil Acoustic Intumescent Sealant around all edges and to the joints and interfaces between cut sections, then friction fit into the opening to completely seal the void.
- Once installed, apply PFC Corofil Ablative Coating to all joints.

PFC Corofil, Units 3 & 4, King George Trading Estate, Davis Road, Chessington, Surrey KT9 1TT
T: 020 8391 0533 | F: 020 8391 2723 | Web: www.pfc-corofil.com | Email: tech@pfc-corofil.com

Failure to firestop the service penetrations may result in the passage of fire or smoke through the wall or floor.

- For ventilation ductwork fire dampers, please consult the manufacturer for installation recommendations.

Installation for masonry walls in plane

- Cut the coated panel to size and around all service penetrations.
- Each individual piece must fit closely together with the adjoining pieces and be in plane with each other
- If 2 layers of coated panel are being installed, repeat procedure as above on the second panel.

Installation for plasterboard partitions with framed openings in plane

- Frame out the opening using stud noggins and face with plasterboard as required to achieve the fire rating of the wall (please consult the plasterboard manufacturer for details to suit their system).
- Cut the Coated Panel to size and around all service penetrations.
- A single Coated Panel fitted centrally is sufficient to provide up to 60 minutes fire protection in a 60 minute fire rated wall. For walls providing up to 120 minutes, a double layer should be installed with the panels aligned flush to the outer face of the wall on each side.

Installation for plasterboard partitions with patress fix

- The coated panel should be cut 200mm wider than the opening in each direction to provide a 100mm overlap all the way round (eg. A 200mm x 200mm opening should have a 400mm x 400mm section of coated panel).
- Cut the coated panel to fit around the penetrations.
- Apply PFC Corofil Acoustic Intumescent Sealant around the plasterboard 50mm from the edge of the opening and to all the edges and interfaces of each piece to be fitted around the penetration
- Install the sections of Coated Panel on to the face of the plasterboard board and around the service penetrations.
- Secure each corner of the Coated Panel using 75mm long drywall screws and 25mm diameter steel penny washers (the diameter of the hole should be smaller than the head of the screw) fixed through the panel into the plasterboard. Screws should be nominally 50mm from the edge of the aperture set 50mm from each corner. Additional screws and washers should be fitted at a maximum of 400mm centres. Each cut section should also be secured to the wall using 2no. 75mm long drywall screws and 25mm diameter steel penny washers.
- Apply a 10mm bead of PFC Corofil acoustic intumescent sealant where the perimeter of the panel abuts the partition.
- Apply PFC Corofil ablative coating to all exposed edges
- Once installed, apply PFC Corofil Ablative Coating to all joints.
- Repeat on theh other side of the wall.

Health & Safety Instructions

Please refer to SDPANE

Other Information

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

Doc Reference				MSPANE	
PB	SE	CB	CI	AB	
This Copy				Review Date	
April 2018				April 2020	

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