

## PFC Corofil Firestop Compound

### Installation Instructions

PFC Corofil Firestop Compound is used to seal service penetration openings in concrete floors and masonry walls against the spread of fire for up to 6 hours fire protection.

If you are unsure about any details within this method statement, please email [tech@pfc-corofil.com](mailto:tech@pfc-corofil.com)

### General

- Remove all loose material and dust from the area to be fire stopped.
- Ensure all service penetrations have been fire protected using the correct PFC Corofil product (see separate method statements for installation instructions).

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

- For ventilation ductwork fire dampers, please consult the ductwork/damper manufacturer for installation recommendations
- Masonry/concrete fire resisting walls and floors must have a minimum density of 650kg/m<sup>3</sup> and a minimum thickness of 150mm.
- Walls and floors must be single skin and be at least the same thickness as the thickness of the compound required to achieve the fire rating.
- Compound should be installed so that it forms a complete and consistent barrier with no gaps between the aperture perimeter and the compound.
- There must be a minimum 50mm of compound between the penetrating services.
- Plastic pipes should be firestopped with either, PFC Corofil firestop collars or PFC Corofil intumescent pipe wraps (see individual product data sheets and method statements for details).
- If collars or wraps are used with plastic pipes penetrating the compound, the shuttering must be removed once the compound has cured
- Add the Firestop Compound to clean water and mix either by hand or with a power mixer in the recommended ratios (see table over page).

## Installation for floor openings

- For openings up to 1150mm x 550mm friction fit PFC Corofil 50mm temporary shuttering into the opening between the services and edges of the slab ensuring a tight fit.
- For openings larger than 1150mm x 550mm fix a galvanised steel angle 50mm x 50mm x 2mm around the internal edges of the opening to support the shuttering.
- Ensure the shuttering is low enough in the floor opening to allow the correct depth of Firestop Compound for the required fire rating. The Compound seal should finish flush with the top of the floor.
- Reinforcement will be required if the open area clear of any services exceeds the following dimensions:

Thickness of Firestop Compound	Maximum Aperture
75mm	See fire rating tables on TDCOMP
100mm	See fire rating tables on TDCOMP

- Reinforcing requires 12mm diameter bars placed at a maximum of 200mm centres across the short span only. The bars may be either recessed into the surrounding structure by a minimum of 50mm on both sides or supported on an angle securely fixed to the structure; all positioned approximately 30mm above the bottom surface of the Compound to ensure adequate fire protection from below.
- Compound is then trowelled over the shuttering to a depth of 25mm and allowed to cure (see table for mixing proportions).
- Mix and pour Compound until the required thickness is achieved (see table for mixing proportions).

## Installation for openings in masonry walls

- Fix either a permanent or temporary shuttering as required into the opening.
- Mix Compound suitable for trowelling (see table for mixing proportions).
- Apply the Compound to the opening, ensuring the correct thickness for the fire rating is applied (see TDCOMP). Start at the bottom and work progressively towards the top of the opening. If the shuttering panel is set at the centre, repeat the process on the other side.

## Mixing Ratio - Powder:Water

Trowel	Pour
3:1	2.5:1

## Health & Safety Instructions

Please refer to SDCOMP

## Other Information

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

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