

## Palm Collar

### Installation Instructions

Palm Collars are designed to prevent the passage of fire in large plastic pipes penetrating concrete, block and masonry walls and concrete floors.

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 debris from around the substrate and the pipe.
- The collar size must be suitable to match the outside diameter, material and wall thickness of the plastic pipe and the fire rating required.
- For compartment walls, collars should be fitted to both sides of the wall.
- For compartment floors, collars should be fitted to the underside surface of the floor (Palm Collars are not tested for fixing to the floors top surface).
- Insulation fitted to the pipes should not run through the wall or floor and should be cut short on both sides of walls and the underside of floors allowing a minimum of 100mm of pipe exposed below the collar.

**Palm Collars are not suitable for use with ventilated pipe systems or profiled composite decking.**

#### Installation for plastic pipe penetrations in masonry and concrete walls with a maximum annular gap of 7.5mm

- Masonry, concrete or block walls should be constructed of a suitable material with a minimum density of 650kg/m<sup>3</sup>. They should be constructed to achieve in excess of the stability and fire performance (integrity & insulation) of the Palm Collar.
- Apply PFC Corofil Acoustic Intumescent Sealant into the annular gap (annular gap to be maximum 7.5mm) around the pipe (15mm deep) using a mineral wool backer (15mm deep) friction fitted under compression and leave a smooth finish.
- Fit the Palm Collar around the pipe and push flush up to the wall and close the clasps securely.
- Mechanically fix the collar to the wall using non-combustible 6mm steel anchor bolts (supplied by others) minimum 50mm long then repeat procedure on other side of the wall.

#### Installation for plastic pipe penetrations in concrete floors (fixed from underside) with a maximum annular gap of 7.5mm

- Floors shall be constructed of a concrete with a minimum density of 650kg/m<sup>3</sup>. They should be constructed to achieve in excess of the stability and fire performance (integrity & insulation) of the Palm Collar.
- Apply PFC Corofil Acoustic Intumescent Sealant into the annular gap (annular gap to be 7.5mm) around the pipe (15mm deep) using a mineral wool backer (15mm deep) friction fitted under compression and leave a smooth finish.
- Fit the Palm Collar around the pipe and push flush up to the underside of the concrete floor and close the clasp securely.
- Mechanically fix the collar to the floor using non-combustible 6mm steel anchors bolts (supplied by others) minimum 50mm long fixed through each of the lugs on the collar.

#### Installation for plastic pipe penetrations in concrete walls with the pipe collar 'cast-in' (where approved)

- Fit the collar around the pipe so that there is a minimum of 30mm pipe collar exposed.
- Repeat on the other side of the wall
- The annular gap around the pipe should be filled with PFC Corofil Compound (see MSCOMP for installation details)

#### Health & Safety Instructions

Please refer to SDPALM

#### Other Information

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

Doc Reference				MSPALM			
PB	SE	CB	CI	AB			
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