



Product Technical Data Sheet:

**TDSCVDS**

**PFC Corofil Vent Duct  
Sleeves CVDS**

ETA Number: 20/1164



**SERVICE  
PENETRATIONS**



## Technical Description of Product



PFC Corofil Vent Duct Sleeve is a flexible intumescent material, consisting primarily of mineral fibres, intercalated graphite and organic binders formed into a duct sleeve.

Grey in colour it has a glass fibre reinforced aluminium foil cladding around the perimeter along its full length. Supplied in various dimensions to suit specific duct sizes it has a nominal 25mm thick wall. It can be cut down along its length to aid fitment and a strip of aluminium foil tape is used to seal the joint.

PFC Corofil Vent Duct Sleeves have been tested in accordance with EN1366-3 and offer fire resistance periods of up to EI240 for PVC-U rectangular ducts and wall constructions.

## Intended Use

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PFC Corofil Vent Duct Sleeves are a closure device installed around plastic vent ducts through non load bearing wall constructions where they have been provided with apertures for the penetration of services.

This data sheet shows the only applications the product has been tested in. Please ensure the product has been tested in and is suitable for your application (see PFC Corofil terms and conditions 13.1.1).

## Key Points

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- Conditioned to Type X: Products intended for use in conditions exposed to weathering.
- Tested to EN1366-3

Technical Data



Specification

Duct dimensions	110mm x 54mm 204mm x 60mm 310mm x 29mm	
Plastic Duct Material	PVC-U	
Fire Resistance Flexible & Rigid Walls	Up to EI240	EN1366-3 & EN13501-2
Colour/Appearance	Grey/dark grey in colour with a glass fibre reinforced aluminium foil cladding around perimeter.	

## Installation Instructions



- Apertures for the penetration of pipes require separation of a minimum of 200mm.
  - Vent duct pipes protected by PFC Corofil Vent Duct Sleeve should be supported a maximum 150mm from each wall face.
  - Vent duct pipes must be perpendicular to the seal surface.
  - Vent Duct Sleeve is 180mm long as standard. It may be cut down to suit the thickness of the wall and the required protrusion.
  - If the wall is thicker than the minimum 132mm, the length of the vent duct 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 duct pipe to be sealed.
  - Cut the Vent Duct Sleeve to the required length.
  - Make a single cut along the entire length of the Vent Duct Sleeve.
  - Wrap the Vent Duct Sleeve around the duct pipe.
  - Using aluminium foil tape (supplied by others) seal the joint in the sleeve.
  - Push the sleeve along the duct pipe into the aperture. Ensure there is sufficient sleeve protruding through each face of the wall.
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## Installation Instructions



### Substrates

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- Flexible walls: Minimum thickness of 132mm and comprise timber or steel studs lined on both faces with minimum 2 layers of minimum 15mm thick lining boards. For 132mm thick timber stud walls there must be a minimum distance of 100mm of the seal to any stud and the cavity between stud and seal must be closed and minimum 100mm insulation of Class A1 or A2 (in accordance with EN13501-1) in the cavity between stud and seal.
  - Rigid Walls: Minimum thickness of 132mm and be comprised of concrete, aerated concrete or masonry with a minimum density of 650kg/m<sup>3</sup>.
  - Rigid Floors: The floor must have a minimum thickness of 150mm and be comprised of concrete with a minimum density of 650kg/m<sup>3</sup>.
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### Terminology

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- Fire resistance classes:** E = Integrity. The length of time it takes for the fire to pass to the non fire side.  
I = Insulation. The length of time it takes for the heat of the fire to pass to the non fire side.
- Test Condition:** U/U = Uncapped in the furnace/Uncapped outside the furnace  
U/C = Uncapped in the furnace/Capped outside the furnace  
C/U = Capped inside the furnace/Uncapped outside the furnace

**Performance Data**



Flexible & Rigid Walls PVC-U rectangular pipes

Flexible and Rigid Walls minimum thickness 132mm

PFC Corofil Vent Duct Sleeves installed within a flexible or rigid wall, minimum thickness 132mm - PVC-U rectangular pipes (ducts).			
Penetration Specification	Sleeve Reference	Minimum protrusion of sleeve each side of wall	Classification
PVC-U duct 110mm wide x 54mm high 1.5 - 1.7mm nominal wall thickness	110mm x 54mm x 180mm CVDS	24mm	EI 120
PVC-U duct 204mm wide x 60mm high 1.5 - 1.7mm nominal wall thickness	204mm x 60mm x 180mm CVDS		
PVC-U duct 310mm wide x 29mm high 1.8 - 2.0mm nominal wall thickness	308mm x 29mm x 180mm CVDS		

Rigid Walls minimum thickness 150mm

PFC Corofil Vent Duct Sleeves installed within a rigid wall, minimum thickness 150mm - PVC-U rectangular pipes (ducts).			
Penetration Specification	Sleeve Reference	Minimum protrusion of sleeve each side of wall	Classification
PVC-U duct 200mm wide x 60mm high 1.5 - 1.7mm nominal wall thickness	204mm x 60mm x 180mm CVDS	15mm	EI 240



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