

# TENMAT Vent Duct Sleeve

## Installation Instructions

TENMAT Vent Duct Sleeves are designed to seal around PVC-U ventilation duct pipes in flexible or rigid walls or. 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](mailto: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
- 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 TENMAT Vent Duct Sleeve should be supported a maximum 150mm from each wall face.
- Vent duct pipes must be perpendicular to the seal surface.
- TENMAT 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.
- Pipe configurations U/U are approved for use
- 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 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.

## 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 vent duct 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 a vent duct 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 sleeves.
- Vent duct sleeves should fit tightly around the duct. Any gaps between the vent duct 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 SDTVDS

## 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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| Doc Reference |    |    |    | MSTVDS      |  |  |  |
| PB            | SE | CB | CI | AB          |  |  |  |
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