

## PFC Corofil C500 Intumescent Expansion Joint

### Installation Instructions

PFC Corofil C500 Intumescent Expansion Joint is used to prevent fire penetration through joints in masonry walls and floors for a fire rating of up to 4 hours. The seals are manufactured oversized to be fitted under compression (see TDC500 for sizes). The seal is constructed from a mineral wool section sandwiched between two layers of intumescent strip which is then shrink wrapped.

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

### Installation for concrete / masonry walls and concrete floors

- **Do not remove the shrink wrap.**
- When being installed as a single seal, the C500 should be installed flush with the face of the wall with the fire risk or the underside of the floor slab. If the side of the wall with the fire risk is unknown C500 should be installed as a double seal, the C500 should then be installed flush with both faces of the wall or floor.
- Remove all loose debris and mortar from the joint.
- Ensure the correct thickness and width of C500 Intumescent Expansion Joint is installed to suit the joint size and required fire rating
- C500 is supplied oversized and should be compressed into the joint. Only the mineral fibre and the thin edges of the top and bottom intumescent strip should be visible after installation.
- The edges of the gap within the supporting construction should be level and straight, minor irregularities should be sealed with PFC Corofil Acoustic Intumescent Sealant (irregularities should not extend over the full thickness of the C500 cavity firestop).
- Any butt joints, required to extend the length of the linear joint seal should be fitted tightly together, it is recommended the joints are sealed with PFC Corofil acoustic intumescent sealant.
- C500 should only be used in blockwork, masonry or concrete fire resisting walls or floors with a total thickness (excluding plaster or render) no less than the width of the C500 including a minimum 50mm air gap in double seals and a minimum density of 650kg/m<sup>3</sup>.
- Compress the C500 Intumescent Expansion Joint and slide into the joint.
- Ensure that adjacent lengths of C500 Intumescent Expansion Joint have their joints tightly abutted together and the seals are aligned and flush with each other.
- If the wall or floor has a decorative finish such as plaster/render, the C500 must not be finished flush with the finish, it must be recessed to remain aligned with the face of the solid construction.
- **The inclusion of penetrating services through the C500 is not tested or approved**

## Health & Safety Instructions

Please refer to SDC500

## Other Information

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

Doc Reference				MSC500			
PB	SE	CB	CI	AB			
This Copy				Review Date			
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