



Product Technical Data Sheet:  
**TDSCOSI**  
**PFC Corofil Open State Insert**



CAVITY  
BARRIERS



## Technical Description of Product



PFC Corofil Open State Insert is a 150mm wide strip of 110kg/m<sup>3</sup> density, non-combustible stone wool, the thickness required is dependent on the depth of the cassette panel up to 31mm deep.

PFC Corofil Open State Insert is adhered to the inner face of the cassette panel using PFC Corofil Fire Resistant Silicone Sealant and should finish flush with the face of the cassette panel facing into the void and allows the intumescent open state barrier to maintain a continuous air gap at the back of the panel without the need to notch around the panel joints.

PFC Corofil Open State Insert is tested to the principles of EN1363-1 and ASFP technical Guidance Document 19 (TGD19).

## Intended Use

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PFC Corofil Open State Insert is designed for use with the PFC Corofil Open State Barrier COSB 25 (1024). The insert should fill out the depth of the cassette panel, allowing a continuous air gap to be maintained behind the cassette panel without the need for notching around the panel joints.

## Key Points

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- Tested in accordance with the principles of EN1363-1 and ASFP Technical Guidance Document 19 (TGD19)
- Manufactured from the same stone wool as PFC Corofil Open State Barrier COSB 25 (1024)
- Suitable for cavity widths between 90mm and 300mm

## Technical Data

## Specification

Product	150mm wide x depth to suit panel (up to 31mm deep) 110kg/m <sup>3</sup> stone wool	
Cavity Sizes	90mm – 300mm	
Fire Resistance Performance	90 minutes integrity 30 minutes insulation (90mm cavity width) 45/30 cavity widths 91mm to 300mm	Tested to the general principles of EN1363-1 and ASFP TGD19
Colour/Appearance	Buff/Stone wool	

## Installation Instructions

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- Install the PFC Corofil Open State Barrier COSB 25 (1024) as per the installation instructions on TDSCOSB 25
- Take a 1 metre strip of PFC Corofil Open State Insert COSI and cut to length, (if the panel is wider than 1 metre, use extra lengths) ensure the total length of the insert is 5mm longer than the cassette panel opening.
- Mark on the cassette panel where the COSB 25 (1024) will line up and ensure the COSI is installed centrally so that the COSB 25 (1024) can expand against the full surface of the COSI
- Apply a 6mm bead of PFC Corofil Fire Resistant Silicone Sealant in two lines approximately 25mm in from each edge along the full length of the strip to one face of the insert.
- Place the insert with the sealant facing the panel into the cassette and apply firm pressure along its length making sure the insert is fully adhered to the cassette panel.
- Apply PFC Corofil Fire Resistant Silicone Sealant around the edges of the insert to seal against the cassette panel and install the panel. Make sure that the COSB 25 (1024) and the COSI are in line.

## Substrates

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- Masonry; minimum 150mm thick and comprise of concrete, aerated concrete or masonry, with a minimum density of 650kg/m<sup>3</sup>.
- Steel Frame System; Metsec SFS 100mm x 2mm thick faced with 12.5mm Knauf Windliner Board on the outer face.

The supporting construction must be classified in accordance with EN13501-2 for the required fire resistance period.

Performance Data



Fire Resistance Performance of PFC Corofil Open State Insert COSI installed within a 31mm deep 2.3mm thick Cassette Panel				
Product Reference	Overall Cavity Width	Air Gap	Fire resistance Performance	
			Integrity	Insulation
COSI	90mm	25	90	30
	91mm - 300mm		45	30



Doc Reference		TDSCOSI	
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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).