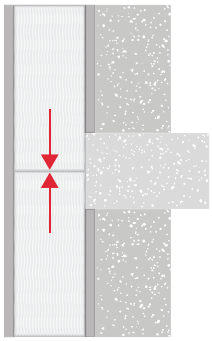
CCFS

PFC COROFIL
PASSIVE FIRE PROTECTION SOLUTIONS

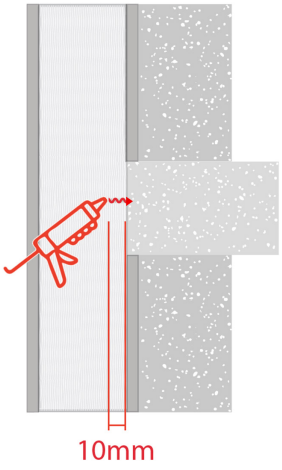
Considerations before installation

- Ensure surfaces are clean, dry and free from dirt, dust, mortar and other contaminants.
- Ensure the opening to be filled has been tested with and is suitable for the product being installed.
- Cut back any insulation fixed to the inner substrate prior to installation of the PFC Corofil Cavity Fire Stop.
- Any cutting of the PFC Corofil Cavity Fire Stop on site to suit tolerances, shall be done accurately and kept to a minimum. For applications where the PFC Corofil Cavity Fire Stop requires a compression fit, ensure that the cut barrier sections are oversized to allow for the necessary compression.

For applications where a compression fit is required, compress the PFC Corofil Cavity Fire Stop and push into the cavity.When extending the length of the Cavity Fire Stop, ensure the adjacent lengths have their joints tightly abutted together and are aligned flush with each other to give the appearance of a continuous strip with no gaps.



Fill any gaps up to 5mm wide with PFC Corofil Acoustic Intumescent Sealant to a minimum depth of 10mm. Please note, gaps should not pass through the full depth of the barrier.

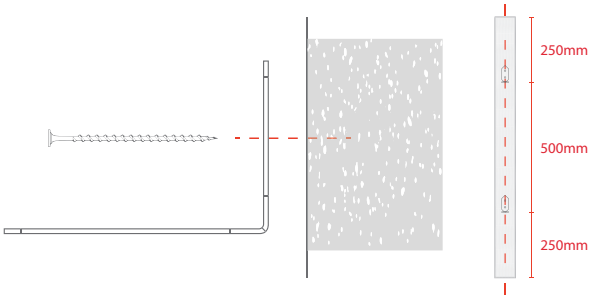


CCFS

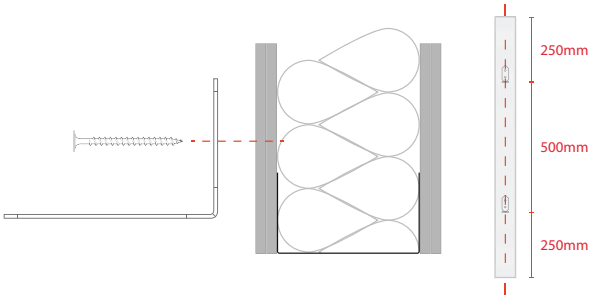
PFC COROFIL
PASSIVE FIRE PROTECTION SOLUTIONS

Where brackets are required for installation, or for applications where a mechanical fix needs to be achieved, please follow the instructions below.

For lightweight aggregate applications, fix PFC Corofil Multipurpose Brackets to the substrate using 1 no. non-combustible steel screw minimum 4mm ø x 40mm long (supplied by others). For all other concrete or masonry applications, please speak with a fixings distributor to determine the correct fixing.

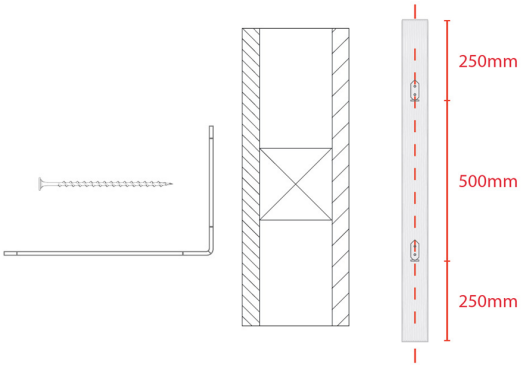


For calcium silicate fibre cement board applications, fix PFC Corofil Multipurpose Brackets to the substrate using 1 no. 6mm ø x 32mm coarse threaded steel screw suitable for the board (supplied by others).



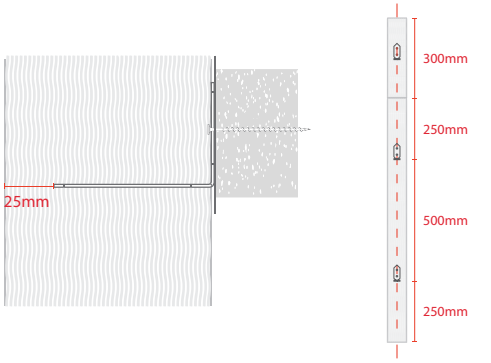
For gypsum board applications, fix PFC Corofil Multipurpose Brackets to the substrate using 1 no. interset bolt M5 x 37mm (supplied by others).

For OSB and plywood board applications, fix PFC Corofil Multipurpose Brackets to the substrate using 1 no. steel screw 4mm Ø x 40mm long (supplied by others). A minimum 38mm thick timber stud must be in place directly behind the sheathing board following the line with the cavity barrier.

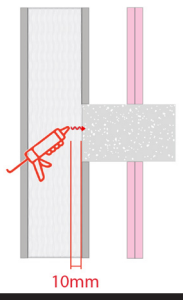


Position the leg of the brackets to the midpoint of the PFC Corofil Cavity Fire Stop. The brackets should be fixed 250mm from each end of each individual section of barrier at maximum 500mm centres.

When cutting lengths to fit at the end of a run, install one bracket centrally in lengths up to 300mm, for lengths 301mm to 1000mm 2 brackets should still be used distanced equally from each end. Push the Cavity Fire Stop onto the leg of the bracket so it is spiked into the centre along the length and compress into the cavity. There should be at least 25mm between the end of the bracket and the outer face of the barrier.



Fill any gaps up to 5mm with PFC Corofil Acoustic Intumescent Sealant to a minimum depth of 10mm. Please note, gaps should not pass through the full depth of the barrier.

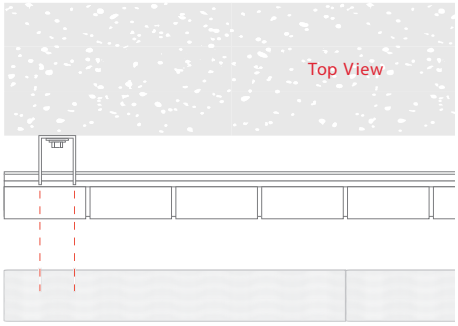


CCFS

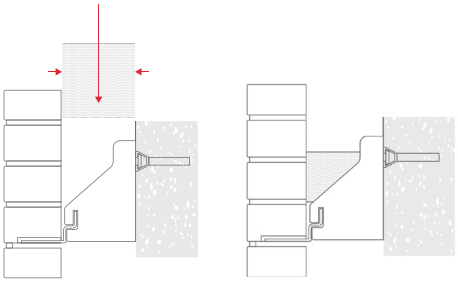
PFC COROFIL
PASSIVE FIRE PROTECTION SOLUTIONS

Masonry Support System

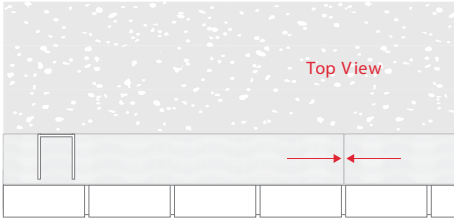
Mark where the brackets meet the Cavity Fire Stop and cut a notch into the Cavity Fire Stop.



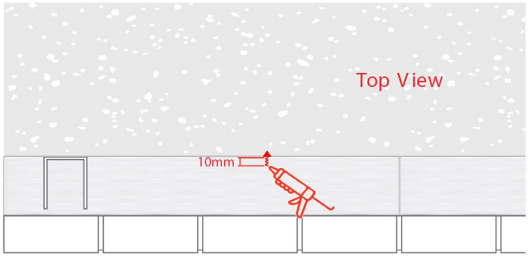
Compress the Cavity Fire Stop and push into the cavity.



When extending the length of the Cavity Fire Stop, ensure the adjacent lengths have their joints tightly abutted together and are aligned flush with each other to give the appearance of a continuous strip with no gaps.



Fill any gaps up to 5mm with PFC Corofil Acoustic Intumescent Sealant to a minimum depth of 10mm. Please note, gaps should not pass through the full depth of the barrier.

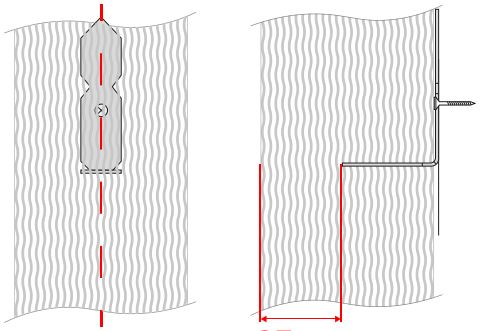


CCFS

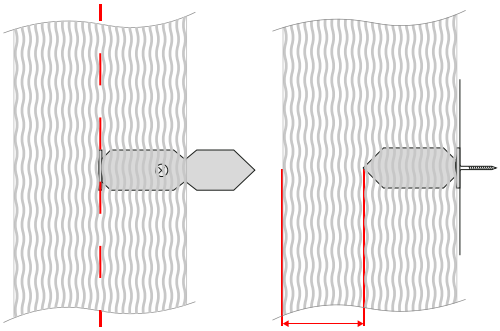
PFC COROFIL
PASSIVE FIRE PROTECTION SOLUTIONS

Bracket fixing orientation

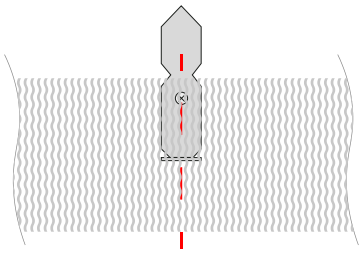
Vertical Install
(vertical brackets)



Vertical Install
(horizontal brackets)



Horizontal Install
(vertical brackets)



Horizontal Install
(horizontal brackets)