

PFC Corofil Open State Cavity Barriers (RSB2)

Installation Instructions

PFC Corofil RSB2 is used to prevent the spread of fire for up to 60 minutes in open state cavities where a continuous air gap is to be maintained. The barrier is manufactured to suit the overall cavity width to allow a continuous air gap of up to 25mm wide (see TDRSB2 for full list of cavity sizes and air gaps).

PFC Corofil RSB2 Open State Cavity Barriers must not be removed from the polythene shrink wrap

If you are unsure about any details within this method statement, please email tech@pfc-corofil.com

General

- If installed remove the insulation layer at the point where the barrier is to be installed.
- Ensure the correct size barrier is installed to suit the cavity width, allowing for the required air gap and specified fire rating.
- Ensure the intumescent strip faces towards the external facade.
- Where fixing to OSB faced timber studs the fixings (supplied by others) must penetrate the substrate by a minimum of 25mm.
- Where fixing to brick/block or concrete blocks faced with cement particle board the fixings (supplied by others) must penetrate the substrate by a minimum of 50mm.
- Where fixing to concrete, the fixings (supplied by others) should be of an appropriate type and length for the surface the RSB2 is being fixed to. Please consult a fixings manufacturer for the correct fixing.
- The spike of the bracket must penetrate the barrier by a minimum of 75% of its total width ensuring it does not protrude through the intumescent strip. The bracket may be cut down to suit if too long.
- For lengths shorter than 1 metre reduce the fixing centres to accommodate the required number of fixings/pigtail screws at an equal distance apart.
- When cutting RSB2 to short lengths, ensure the polythene shrink wrap is reinstated.

Direct fixing for cavities up to 110mm wide

- Mechanically fix the RSB2 back to the inner wall using 4 fixings (supplied by others (see fixings table) along the central line of the barrier.
- Cut sections of barrier will still require at least 2 fixings (supplied by others) per length at 250mm centres.
- Ensure that adjacent lengths have their joints tightly abutted together and are aligned flush with each other.

Fixing with brackets for cavities 111mm wide and above

- Mechanically fix the brackets to the substrate (see table below for quantity and type of bracket) using 2 non-combustible corrosion resistant fixings (supplied by others) per bracket.
- Spike the RSB2 onto the brackets centrally along the length of the barrier.
- Fix the 65mm long pigtail screws 125mm in from one end of the barrier and at 250mm centres along the centre line of the barrier so the head of the pigtail screw protrudes across the cavity to maintain the 25mm free air gap.
- Ensure that adjacent lengths have their joints tightly abutted together and are aligned flush with each other to create the appearance of a continuous barrier.
- Cut sections will still require at least 2 fixings at 500mm centres and 4 pigtail screws per length at 250mm centres.

Fixings Table

Cavity (mm)	Masonry / Brick / Block & CP Board	Fixings	Timber / OSB	Fixings
51 - 110	125mm from 1 end and 250mm centres	4 screws no pigtail screws	125mm from 1 end and 250mm centres	4 screws no pigtail screws
111 - 215	250mm from 1 end and 500mm centres	2 MP brackets 4 pigtail screws	250mm from 1 end and 500mm centres	2 MP brackets 4 pigtail screws
216 - 300	250mm from each end and 1 centrally	3 MP brackets 4 pigtail screws	250mm from each end and 1 centrally	3 MP brackets 4 pigtail screws

Corrosion resistant steel masonry/concrete fixings (supplied by others) should be used with masonry, brick/block and CP board.

Corrosion resistant steel timber fixings (by others) should be used with timber/OSB.

Maximum screw head size 11.5mm (trumpet/countersunk type head only), washers not permitted. All fixings must have an appropriate depth for the substrate.

PFC Corofil supply brackets and pigtail screws. All other fixings not supplied

Health & Safety Instructions

Please refer to SDRSBS

Other Information

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

Doc Reference				MSRSBS			
PB	SE	CB	CI	AB			
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