

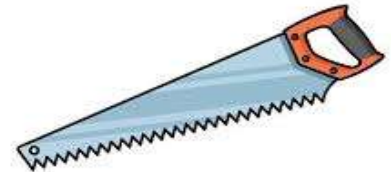


Concept Conversions Limited

Horizontal Rainscreen Cavity Barrier

Installation Guidelines

January 2024



Installation

The CCL HRCB range is designed to be mounted on brackets that are mechanically fixed to the inner structural surface using the CCL multi bracket. The CCL multi bracket is secured to the inner structural surface using the appropriate fixing for the substrate at a minimum of two per linear metre, or at a maximum of 500mm centres. For selection and orientation of the CCL multi bracket, refer to the bracket selector table.

The cavity barrier is then pushed onto the brackets at the mid depth (thickness) point with the intumescent layer facing outwards into the airspace.

Ensure the barrier is penetrated by the multi bracket to a minimum of 60% and is secured firmly against the inner structure aiming for zero gaps between the back of the barrier and the surface of the substrate.



Individual lengths should be butt jointed tightly together, ensuring both the rock mineral wool and intumescent components are butted together tightly. Ensure that all joints with support rails and vertical barriers are tightly butt jointed with no gaps. Where the horizontal open state barrier meets the vertical, full fill barrier, the vertical barrier must be continuous with the horizontal barrier tightly butted to each side. Small gaps, if unavoidable due to building tolerances, should be filled with intumescent mastic. The upper joints of the barrier should be sealed with CCL foil tape, taking care not to apply tape over the intumescent layer.

Any cavity wall insulation within the cavity should be cut back at the location where the barriers are installed or installed after the cavity barriers have been fixed into place.

Bracket selector table

Barrier size	Orientation	Product code
Up to 85mm wide	With 50mm length facing into the cavity and penetrating the barrier	HRCB080
Up to 120mm wide	With 80mm length facing into the cavity and penetrating the barrier	HRCB080
Up to 165mm wide	With 120mm length facing into the cavity and penetrating the barrier	HRCB160
Up to 275mm wide	With 160mm length facing into the cavity and penetrating the barrier	HRCB160

Key points

- Multi brackets are mechanically fixed to inner substrate.
- Cavity barrier is pushed on to the brackets with intumescent layer facing out into the airspace.
- Cavity barrier is impaled so that it firmly secured against the inner structure.
- All joints between individual lengths of the cavity barrier or support rails should be firmly butted ensuring there are no gaps.
- Vertical barriers must be continuous with the horizontal, open state barrier butted tightly to each side.
- Seal upper joints with CCL foil tape.



Cutting

CCL HRCB range can be cut to length on site using a saw or knife. Cut lengths of more than 250mm should be secured using 2 brackets, whereas cut lengths less than 250mm can be secured on 1 bracket fixed centrally. Ensure that the short, cut pieces of barrier are tightly butted against adjoining pieces. Do not use more than one small length together to form a longer barrier.

Key points

- Can be cut on site with saw or knife.
- Lengths more than 250mm require 2 brackets, 1 if less than 250mm.
- Do not use multiple short lengths together.

Other information

Previous version	Not applicable.
Changes to previous version	Not applicable.
Technical support	For further information please contact our technical department at the address below.
Product information	Visit our website for product information and technical downloads.



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