

CAVITY FIRESTOP SLAB & VRSB



Horizontal Firestop between floor slab

DESCRIPTION:

CCL Cavity Firestop Slab & Vertical Rainscreen Barrier (VRSB) consists of rigid slabs of mineral wool faced on both sides with reinforced aluminium foil. The foil facing is printed with lines along the length to aid the fabrication of cut strips on site. The slab can be supplied factory cut to suit specific cavity widths, and where necessary, have a layer of DPC bonded to one edge.

PURPOSE:

CCL Cavity Firestop Slab is designed to prevent the passage of fire in all cavity walls as well as between a curtain wall system and a concrete floor slab.

BENEFITS:

- Available in slabs or cut to size
- Suits cavities 15mm-300mm wide
- Simple to cut and install
- 1 and 2 hour fire resistance
- Water repellent

Specification



Dimensions:

Firestop 60 - 75mm x 600mm x 1200mm
 Firestop 120 - 100mm x 600mm x 1200mm
 VRSB 60 - 75mm x (50mm to 305mm) x 1200mm
 VRSB 120 - 100mm x 50mm to 305mm) x 1200mm

Standards & Performance:



The mineral wool core of a CCL Cavity Firestop slab achieves a fire classification of Euroclass A1 as defined in BS EN 13501-1.

The product has been independently tested adopting procedures and criteria from BS476: part 20: (1987). CCL Cavity Firestop 60 & 120 slabs comply with the provisions of Approved Document B 2010 (2019 edition).

CCL Cavity Firestop Slab & VRSB

- Firestop 60 & VRSB 60 provides 1 hour fire resistance
- Firestop 120 & VRSB 120 provides 2 hours fire resistance.

Curtain Wall & Cladding Systems:



Horizontal Firestop within masonry cavity wall

The CCL Cavity Firestop Slab & VRSB is suitable for use with wall cladding systems.

The performance will depend upon the integrity and stability of the cladding system for the duration of the fire rating where required.

Where there is a possibility of significant distortion during a fire, the cladding system must be attached to the structural floor, close to the firestop, with steel brackets.

Due to the variety of cladding available, the cladding manufacturer should be contacted to confirm the suitability of its use with the CCL Cavity Firestop Slab & VRSB for the resistance period required.



Fixing:

Clips are required when the barrier is installed horizontally. They may be omitted during vertical installation if the barrier is supported at the base.

The fixing clips should be bent into a Z shape and penetrate the firestop by over half of its overall width at a rate of 2 per length (approx. 300mm from end to end)

The barrier should be securely fitted into the cavity ensuring it is compressed by approximately 5mm and the ends form a tight butt joint.

The fixing clip should then be mechanically fixed to the floor slab or inner block work.

Finally seal the joints with Class O aluminium foil tape.



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