

CAVITY FIRESTOP SLAB

- Available in slabs or cut to size
- Suits cavities 15—550mm wide
- Simple to cut & install
- 1 & 2 hour fire resistance
- Water repellent



Description

Concept Cavity Firestop Slab 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

Concept 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.

Dimensions

Firestop 60—75mm x 600 x 1200
 Firestop 120—100mm x 600 x 1200
 or factory cut to requested customer specification.

Standards and Performance

The mineral wool core of a Concept Cavity Firestop slab is non-combustible to BS476: part 4: (1984). The product has been independently tested adopting procedures and criteria from BS476 : part 20 : (1987).
 Concept Cavity Firestop 60 and 120 Slabs comply with the provisions of Approved Document B3 Volumes 1 and 2 of the 2000 Building Regulations (2006 edition).
 Concept Cavity Firestop 60 provides 1 hour fire resistance
 Concept Cavity Firestop 120 provides 2 hours fire resistance

Fixing

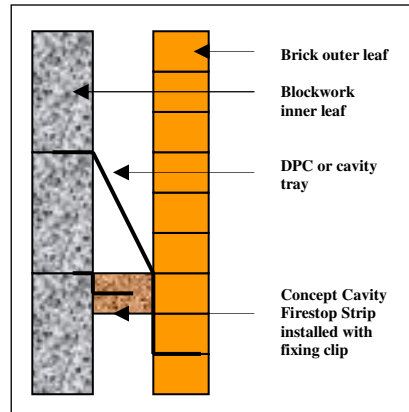
Clips are required when the barrier is installed horizontally. They may be omitted during vertical installation if the barrier is supported at the base.

The fixing clips should be bent into a Z shape and penetrate the firestop to 75% of its overall width at a rate of 2 per length (approx 300mm from each end).

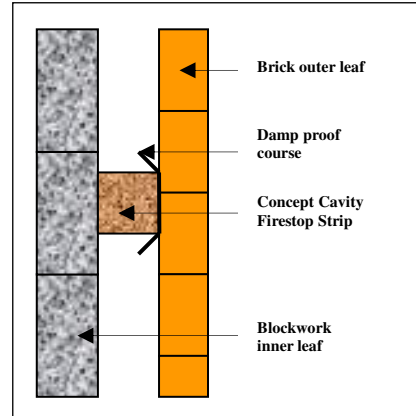
The barrier should be securely fitted into the cavity ensuring it is compressed by approximately 5mm and the ends form a tight butt joint.

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

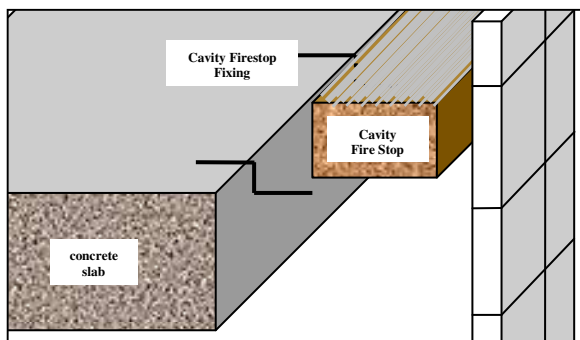
Finally seal the joints with Class O aluminium foil tape.



HORIZONTAL FIRESTOP WITHIN MASONRY CAVITY WALL



VERTICAL FIRESTOP WITHIN MASONRY CAVITY WALL



HORIZONTAL FIRESTOP BETWEEN FLOOR SLAB

Curtain Wall Systems

The Concept Cavity Firestop system is suitable for use with curtain wall cladding systems. The performance of the firestop will depend upon the integrity and stability of the cladding system for the duration of the fire rating 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 Curtain Wall Cladding Systems available, the system manufacturer should be contacted to confirm the suitability of its use with the firebarrier for the resistance period required.

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