

CAVITY FIRE STOP SLAB



CONCEPT CONVERSIONS LTD
Fire, Acoustic & Thermal Insulation

COMMERCIAL

Data Sheet 1031 V1.0.2

The CCL Cavity Fire Stop Slab is a fire resistant barrier designed to prevent the spread of fire and smoke in closed state, non vented cavity constructions.

Description:

The CCL Cavity Fire Stop Slab (CFSS) range is designed for use vertically and horizontally in closed state, non-vented cavities from 50mm to 300mm.

Manufactured from high density, non-combustible rock mineral wool, faced on both sides with reinforced aluminium foil, the barriers are installed either friction, or mechanically fixed under 5mm compression.

Suitable for use on slab edge, masonry and SFS wall types, the CCL CFSS range achieves fire resistance performance of up to 240 minutes integrity and insulation on masonry and 240 minutes integrity and 60 minutes insulation on SFS substrates*.

The CCL CFSS range is available in slab form in two sizes, either 1200mm x 1000mm or 600mm x 1000mm, foil faced both sides with one face printed with cutting guides to facilitate on site fabrication.

The CCL CFSS range is also available in factory produced sizes to suit the specified cavity width. Further details can be found on data sheet 2031.

The CCL CFSS range has been tested in accordance with EN 1366-4, 2021.



*When installed in accordance with the tested build up

STANDARD SLAB



The CCL CFSS range is available in two standard sizes, both suitable for use in masonry and SFS build ups in horizontal and vertical applications with either 60/60 or 120/60 fire performance as shown below.

CCL Fire Stop Clips (FSCLIP) are not supplied with full slabs, but are available to order separately and are suitable for all cavity widths up to 300mm.

bsi.identify

Registered manufacturer



Product Selector

Product Code	Width (mm)	Length (mm)	Pack Quantity	Pallet Quantity	Integrity (e)	Insulation (i)
CFSS6060090600	600	1000	3*	42	60	60
CFSS60600901200	1200	1000	1	20	60	60
CFSS12060090600	600	1000	3*	42	120	60
CFSS120600901200	1200	1000	1	20	120	60
CCLFSCIIP365	25	365	60*	n/a	n/a	n/a

*Bagged

CUT TO SIZE

The CCL CFSS range above can also be manufactured to suit the specific cavity size, reducing waste and speeding up installation time on site.

Greater performing solutions are also available should they be required - please discuss these requirements with the CCL sales team should they be required.

Each of the factory sized CFSS length's are supplied with 2 fixing clips.

INSTALLATION

The CCL CFSS is designed to be installed with 5mm compression, therefore when cutting to the required cavity size add 5mm to the cavity width.

Once cut to size the CCL CFSS is installed under compression utilising the CCL Fire Stop Clips (FSCLIP).

When installed vertically and providing the barrier is supported at the base and the internal and external surfaces are completed as the barrier is installed, the CCL FSCLIP may be omitted.

The CCL FSCLIP should be bent into a Z shape and penetrate the firestop by a minimum of 60% of its overall width at a rate of 2 per length (approx. 300mm from end to end).

Lengths of the CFSS should be tightly abutted to each other and there should be no gaps present between the barrier and the substrate.

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 leaf.

All joints should be sealed using 100mm CCL Foil Tape.





Products are supplied on showerproof shrink wrapped pallets, and should be stored in conditions out of direct sunlight and protected from the elements.

The factory packaging is intended for protection during shipment and for short term job site storage. It is not intended for protection against the elements during long term outside storage. For long term storage, we recommend the product is stored indoors, in a dry location with the factory packaging removed. Product should not be stored in areas that flood, that may result in the product standing in water. Product should be a minimum of 102 mm (4 inches) above dry ground and kept on a solid flat surface.

PRODUCT IDENTIFICATION



Prior to installation, the CCL CFSS should be checked to ensure the performance matches the project requirement.

This can be carried out quickly onsite by checking the printing applied to the surface of the slab or factory produced barrier, which details the fire performance.

Additionally the CCL CFSS contains a QR code linking to the BSi. identify database.



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DISCLAIMER

It is the responsibility of the customer to make the final choice when selecting products for use in construction projects. CCL provide data in good faith, however the information provided is not a recommendation and decisions are not carried out by CCL. Where relevant, CCL products should be installed in line with test certification and in build ups that match the specific test. In presenting any technical information we cannot claim to serve in any but an advisory capacity and can undertake no liability since the actual conditions and circumstance of use are beyond our control.

