

TRAPEZOIDAL & LINEAR FIRE STOP SYSTEM

Description:

The CCL Trapezoidal & Linear Fire Stop System is manufactured using high density, non-combustible rock mineral wool insulation and is designed to prevent the passage of fire through voids at the point where internal walls meet concrete soffits and profiled metal decking.

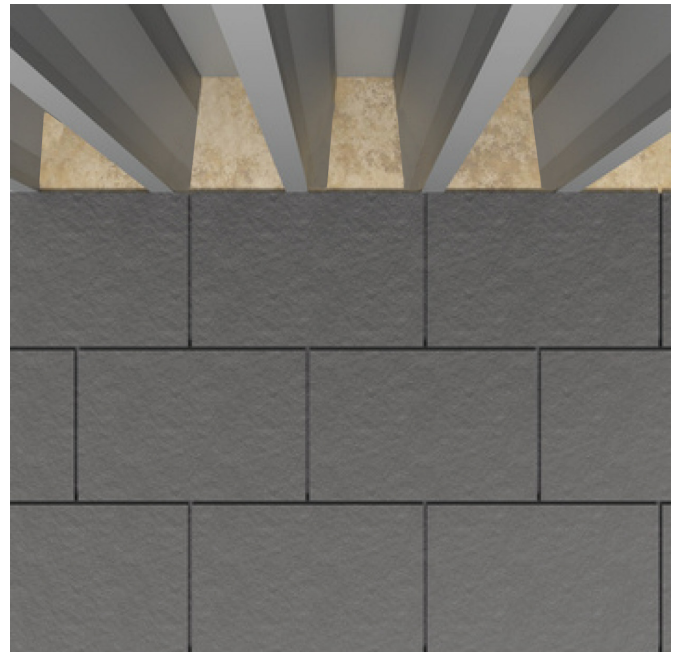
The CCL Trapezoidal & Linear Fire Stop System is comprised of two components – the CCL trapezoidal fire block (TZFB) & the CCL Linear Fire Stop Strip (LFS).

As well as fire stopping, the system will also contribute to the room-to-room acoustic performance.

Purpose:

The CCL TZFB provides fire stopping within the void created where intermediate floor slabs are constructed using a profiled metal floor deck and are profiled to fit the specified steel deck profiles and offers up to 4 hours fire resistance.

The CCL LFS provide fire stopping at the junction between internal walls and the underside of cast intermediate floor slab and soffits, are manufactured slightly oversize and installed under compression and offers up to 4 hours fire resistance.



DIMENSIONS & PERFORMANCE



The CCL TZFB are manufactured to suit the specified deck profile* and are supplied in 1200mm lengths as standard but may also be supplied in 100mm and 150mm short lengths or to suit the wall width as required. CCL LFS is supplied 100mm wide by 1200mm long and in thicknesses to suit gap heights from 10mm to 100mm.

TZFB Performance (Friction fit Installation)

Fire Block Height (mm)	Minimum Installed Length	Integrity (E)	Insulation (I)	EI
10 to 100	100	240	90	90
e.g. MD50, MD60, MD80, MF55, MF60, MF80, RD80, RL E60, TR60+, TR80+ etc				
101 to 225	150	240	180	180
e.g. CF100, CF225 etc				

*Friction fit installation

TZFB Performance (with intumescent mastic bead)

Fire Block Height (mm)	Minimum Installed Length	Integrity (E)	Insulation (I)	EI
10 to 100	100	240	120	120
e.g. MD50, MD60, MD80, MF55, MF60, MF80, RD80, RL E60, TR60+, TR80+ etc				
101 to 225	150	240	240	240
e.g. CF100, CF225 etc				

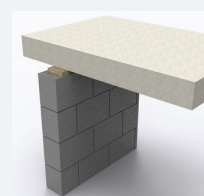


**5mm bead around interface between the Trapezoidal fire block and the steel profile

Trapezoidal Fire Blocks are isosceles trapezoid shaped, therefore when installing into a curved profile the blocks should be fitted under compression with any small gaps sealed with intumescent mastic sealant.

LFS Performance

Gap Height (mm)	Width (mm)	Integrity (E)	Insulation (I)	EI
10 to 100	100	240	240	240



*minimum 2mm compression required

Fire resistance test carried out in accordance with the principles of EN 1366-4:2021

PACKAGING & STORAGE



The CCL Trapezoidal & Linear Fire Stop System are supplied shrink wrapped on pallets, with temporary weather protection. Pallets should be stored inside and away from standing water.

The CCL Trapezoidal & Linear Fire Stop System are supplied to the nearest length quantity, reducing the need to buy excess product and minimising site waste.