



PFC Corofil C144 Firestop Blocks



Application

C144 Firestop Blocks are used to firestop profiles in roofing, cladding and composite floor decking. The blocks are manufactured to suit the specific trapezoidal shape. The width is determined by the fire rating of the masonry wall (see fire rating table). When firestopping steel beams or plasterboard partitions the block must fill the full width of the beam or partition.

General benefits:

- Product supplied to suit floor decking, roofing or cladding profile
- Used for sealing partition heads. No need to scribe plasterboard into corrugations
- Used to seal top flanges of fire boarded structural steel and provide compartmentation
- Used in conjunction with C144 Firestop Strips to seal between top of blockwork and underside of profiled sheeting
- Individual blocks to suit depth of wall or continuous sections where corrugations run parallel with walls
- Smoke and airtight seal when coated with Fastight Coating
- Improved acoustic performance when coated with Fastight Coating
- Available shrink wrapped to prevent fibre migration
- Approved for use on London Underground / Crossrail projects

FIRE RATINGS

Tested to BS 476 Part 20:1987



Fire Rating



PFC Corofil C144 Firestop Blocks

Fire Rating Table (Head of blockwork/masonry wall and plasterboard partition to underside of profiled concrete floor decking)

Minimum Thickness of C144 Block (mm)	Maximum Overall Height of C144 Block (mm)	Fire Rating Integrity/Insulation (Minutes)
100 (or plasterboard partition width if wider)	200	60/45
150 (or plasterboard partition width if wider)	200	120/60

Fire Rating Table (Head of blockwork/masonry wall and plasterboard partition to underside of profiled metal roof sheet)

Minimum Thickness of C144 Block (mm)	Maximum Overall Height of C144 Block (mm)	Fire Rating Integrity/Insulation (Minutes)
100 (or plasterboard partition width if wider)	200	60/45
150 (or plasterboard partition width if wider)	200	120/60

Fire rating Table (Top of protected steel beam to underside of profiled concrete floor deck)

Thickness of C144 Block (mm)	Maximum Overall Height of C144 Block (mm)	Fire Rating Integrity/Insulation (Minutes)
2 x 50	200	120/120
2 x 75	200	240/240

Note: Plasterboard partitions should be a minimum 95mm thick for 60 minutes and 132mm thick for 120 minutes and must always be of a type which is capable of providing the required fire resistance.

Acoustic

PFC Corofil C144 Firestop Blocks have been tested with a twin frame plasterboard partition (250mm wide, $R_w = 67$ dB). The blocks were installed at 250mm long and applied both sides with Fastight Coating which gave a Weighted Sound Reduction Index (R_w) of 62dB.

Airtight & Smoke Seal

PFC Corofil C144 Firestop Blocks will provide an airtight and smoke seal by applying one exposed face with Fastight Coating.

TECHNICAL INFORMATION



Certificate number: FS453-16

LUL PRODUCT REG NO: 2299



This data sheet shows the only applications the product has been tested in. Please ensure the product has been tested in, and is suitable for your application (see PFC Corofil terms and conditions 13.1.1) . .

Doc Reference				TD144B		
PB	SE	CB	CI	AB	IFC	
This Copy				Review Date		
October 2018				October 2020		