SP FireStop EN

Tools required

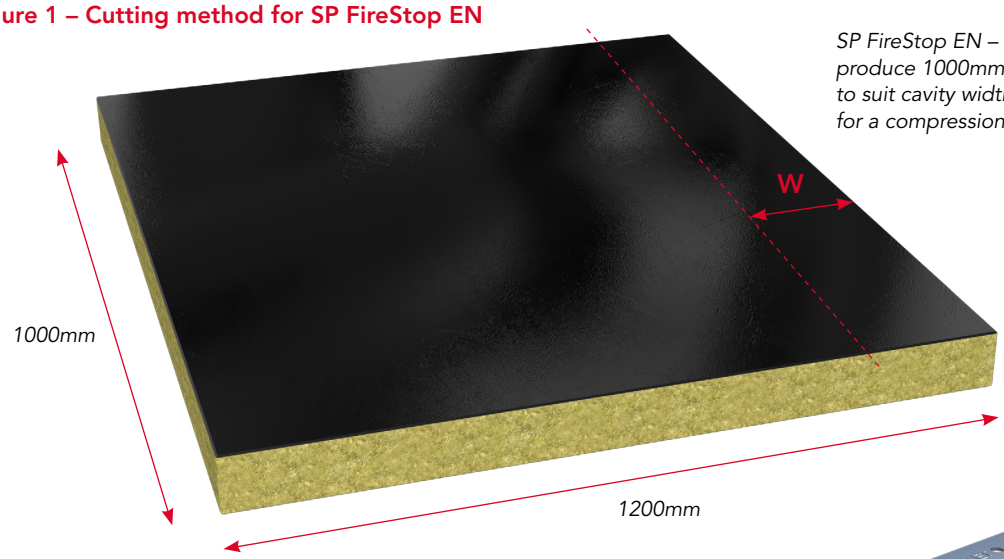
- Insulation knife
- Drill and metal fixings (suitable for the substrate)
- Tape measure

Installation

SP FireStop EN is a life-safety critical product and should be handled with care. A two-man lift should be used when removing slabs from a pallet or moving them on-site. Do not bend, drag, or otherwise mishandle slabs, as this may cause the foil bond to weaken. During construction, SP FireStop EN should be kept dry and protected from the elements at all times.

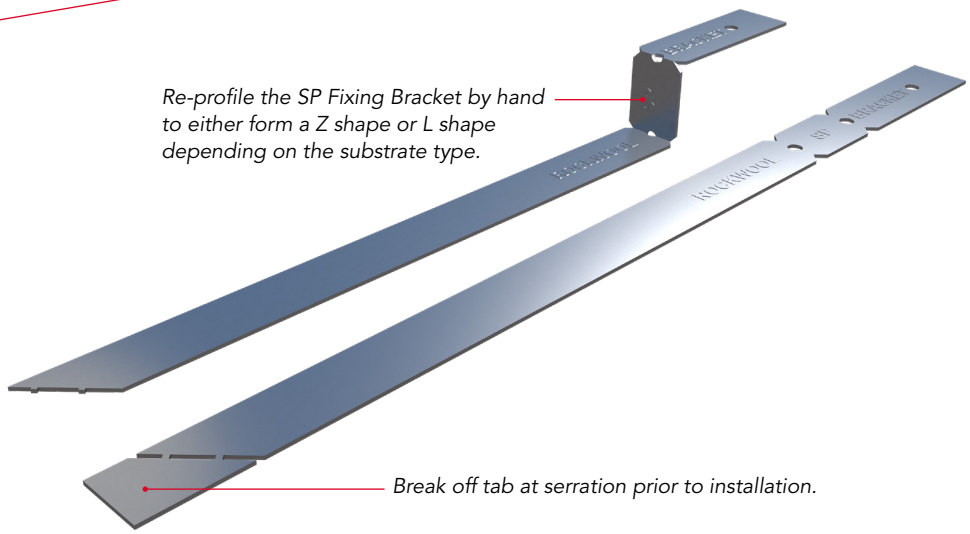
SP FireStop EN should be cut on-site with an insulation knife; we do not recommend cutting with a toothed saw, as this can damage and pull away the foil facing. The cavity to be fire-stopped should be measured and the slab cut to suit this dimension (allowing for 10mm compression), using one piece only per gap width – see Figure 1. For compression fitting and to accommodate the fixing pattern, cutting should be along the 1000mm length as indicated in Figure 1. The SP Fixing Brackets are then re-profiled by hand and cut as necessary to allow at least 75% penetration of the firestop material – see Figures 2 to 5.

Figure 1 – Cutting method for SP FireStop EN



SP FireStop EN – direction of cut to produce 1000mm long FireStop strips to suit cavity width 'W'. Allow +10mm for a compression fit.

Figure 2 – SP Fixing Bracket



Re-profile the SP Fixing Bracket by hand to either form a Z shape or L shape depending on the substrate type.

Break off tab at serration prior to installation.

Figure 3 – SP FireStop EN fixed to concrete floor slab

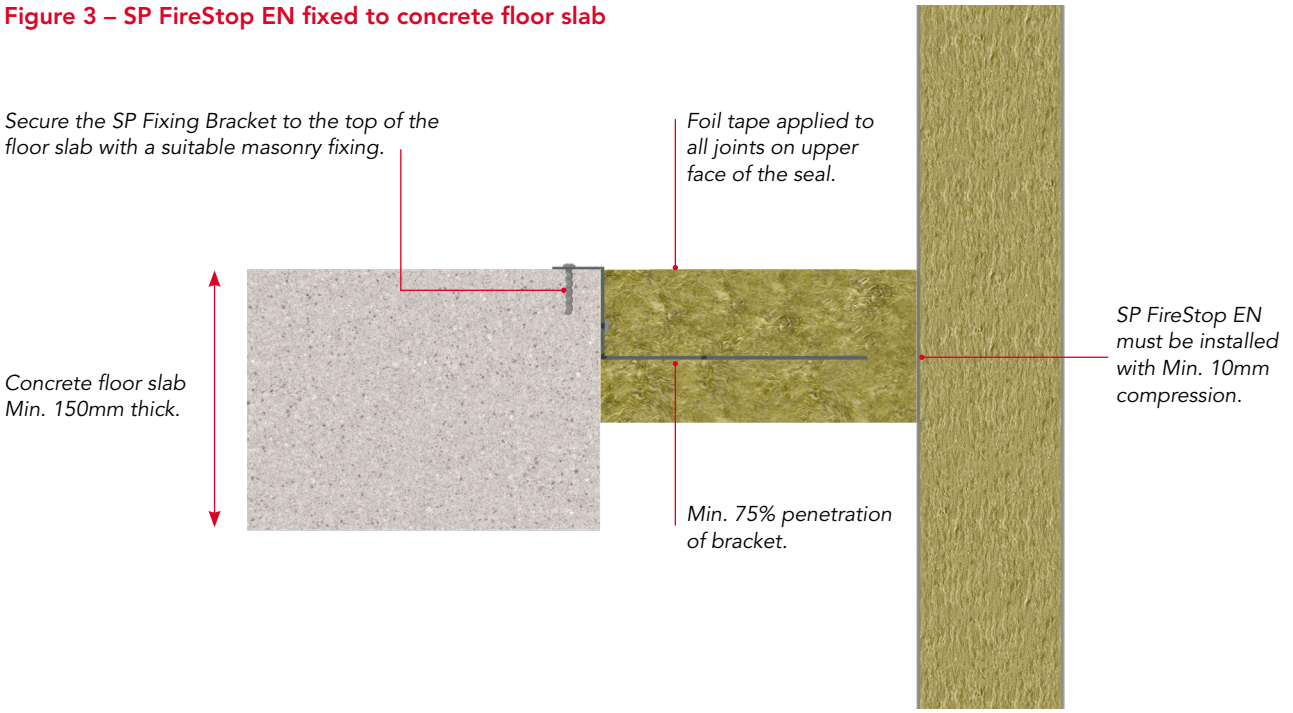
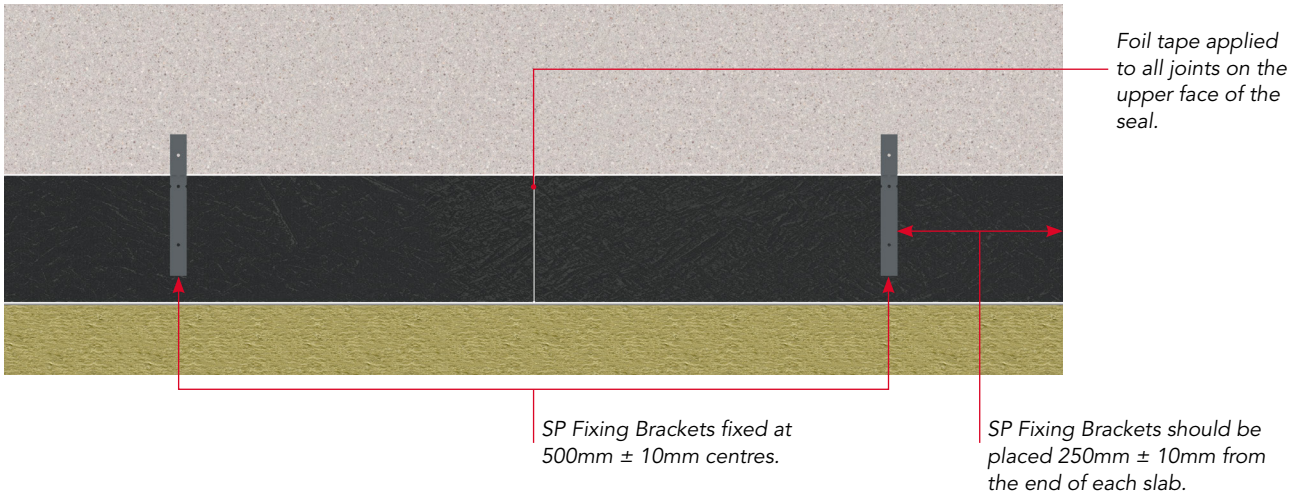


Figure 4 – Plan view



Fixing SP FireStop EN

1. Cut a strip of SP FireStop EN to suit the cavity size, allowing an additional 10mm to ensure a compressive fit (Figure 1).
2. Insert two appropriately re-profiled SP Fixing Brackets into the cut strip at 500mm centres / 250mm ±10mm from each end (Figure 2).
3. Fit the bracket-impaled strip into the cavity, ensuring a secure fit within the void and tight abutment between adjacent strips.
4. Secure the SP Fixing Brackets to the substrate using metal fixings appropriate to the substrate (Figures 3 to 6).
5. a) Horizontal orientation: Foil tape should be applied to all joints on the upper face of the SP FireStop EN strips (Figure 3).
   b) Vertical orientation: Foil tape should be applied to all joints on both sides of the SP FireStop EN strips.
6. If installing between masonry and sheathing board, measures should be considered to prevent moisture tracking across the cavity.

Figure 5 – SP FireStop EN horizontally fixed to SFS system

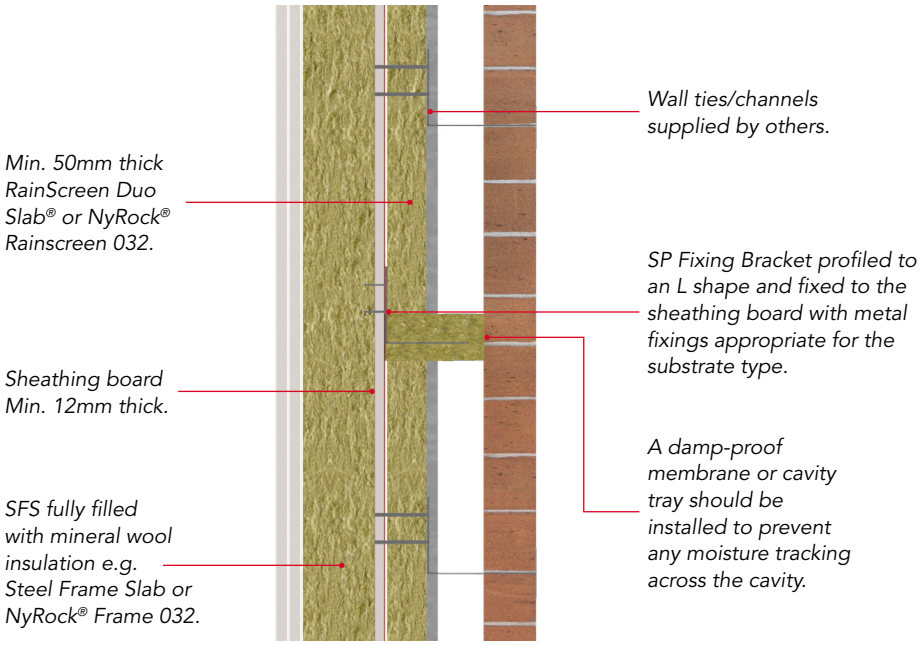


Figure 6 – SP FireStop EN vertically fixed to SFS system

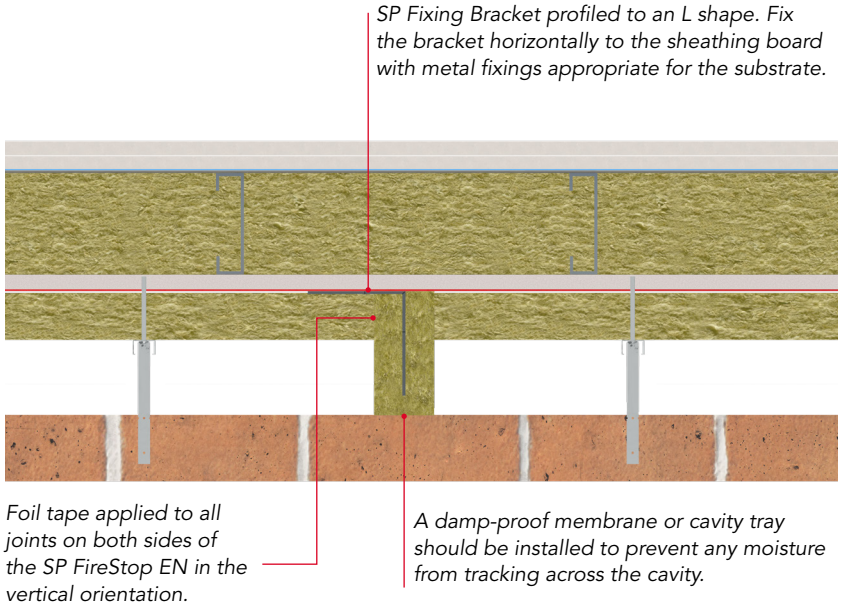


Figure 7a – SP FireStop EN corner details

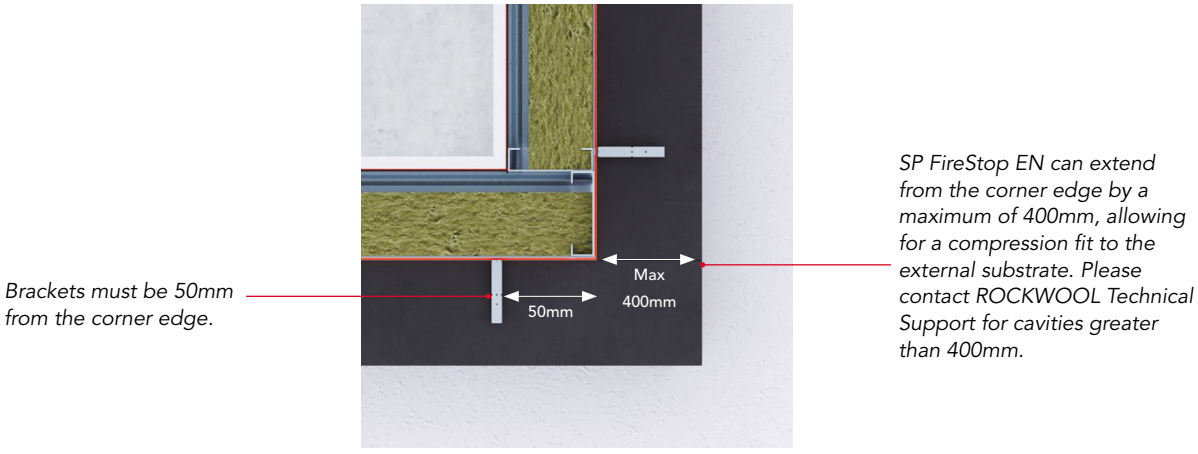
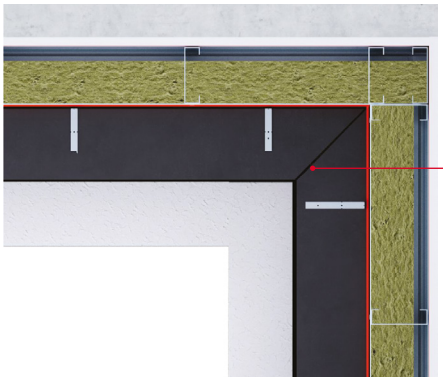
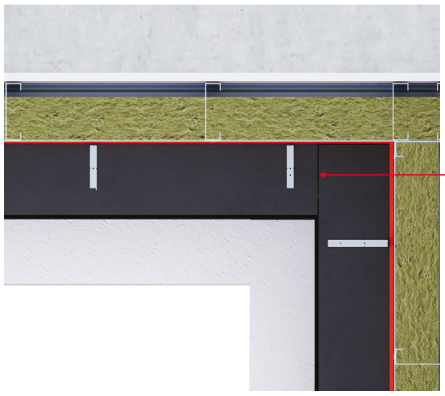


Figure 7b



The internal corner can be formed with a mitre cut or overlapped, as shown in Figure 7c.

Figure 7c



Overlapped internal corner joint.

While the external wall itself does not typically require a fire resistance performance, this is not the case for abutting compartment walls and floors; as such, SP FireStop EN has been tested within representative wall and floor substrates to prove its fire resistance performance. It is important to note that the fire resistance performance of a firestop is only as good as the performance of the supporting substrates into which it is installed. Where fire-stopping is installed up to a non-fire resisting external wall, then the performance of the firestop will be limited to the performance of the wall itself.

Handling

SP FireStop EN slabs are supplied on pallets and protected with a polyethylene hood, which will provide short-term protection. For long-term storage, they must be protected by a waterproof covering.

Ancilliaries

SP Fixing Brackets

Bracket type	Max. cavity size (mm)	Pieces / pack
SP/S	100	50
SP/L	400	50
SP/XL	600	50

SP Fixing Brackets are supplied in three standard sizes: SP/S (small), SP/L (large), and SP/XL for cavity widths up to 600mm.

The brackets are supplied in cardboard boxes of 50 pieces, flat-packed and designed to be re-profiled by hand on site.

The SP Fixing Brackets should be cut on site as necessary to allow at least 75% penetration of the firestop.

In order to comply with fire test certification, only ROCKWOOL SP Fixing Brackets can be used to install the product.

Health & safety

The mechanical effect of fibres in contact with skin may cause temporary itching.



Cover exposed skin.
When working in unventilated area, wear disposable face mask.



Clean area using vacuum equipment.



Waste should be disposed of according to local regulations.



Rinse in cold water before washing.



Ventilate working area if possible.



Wear goggles when working overhead.

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