

SP Firestop Systems

Tools required

- Sharp insulation knife/saw
- Tape measure
- Straight edge rule/square
- Snips

Ancillary products

Self adhesive aluminium foil tape, SP Brackets

Fixing and application

ROCKWOOL SP Firestop Slabs are designed for cutting on site with a sharp knife or saw and a straight edge. The cavity to be fire stopped should be measured and the ROCKWOOL SP Firestop Slab cut to suit this dimension, using one piece only per gap width - see Figures 4 and 5.

For easy 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 fire stop material – see Figures 2 and 3.

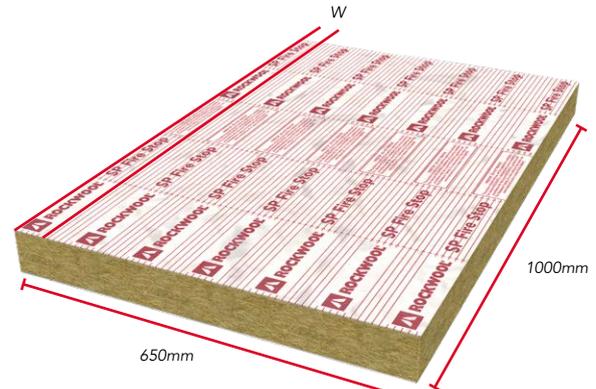
They should be placed as shown in the diagrams, or fixed by other suitable mechanical means.

Fixing within cladding & curtain walling systems

1. Cut the ROCKWOOL SP Firestop Slab to suit the *cavity size, allowing for additional compression of up to 10mm.
2. The ROCKWOOL SP60 or SP120 Firestop Slab is impaled onto the SP Fixing Brackets at the rate of 2 per 1000mm length, fixed at 500mm \pm 10mm centres as shown in Figure 4. The SP Fixing Brackets should be placed 250mm \pm 10mm in from each end of the ROCKWOOL SP Firestop Slab.
3. The product should then be fitted securely into the void and tightly butted to the adjacent ROCKWOOL SP Firestop Slab.
4. Once the ROCKWOOL SP Firestop Slab has been accurately fitted, the SP Fixing Brackets must then be fitted to the edge of the concrete floor slab with metal fixings suitable for masonry.

Figure 1

Cutting method for SP Firestop Slab



SP Firestop Slab - direction of cut to produce 1000mm long Firestop strips to suit cavity width W

Figure 2

SP Firestop Fixing Bracket

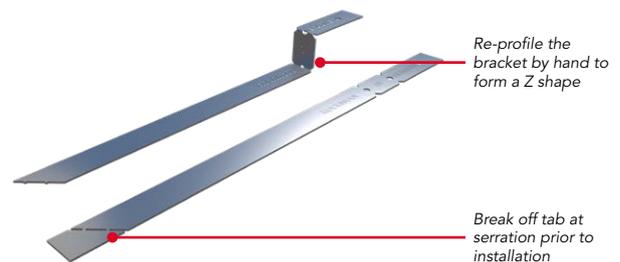
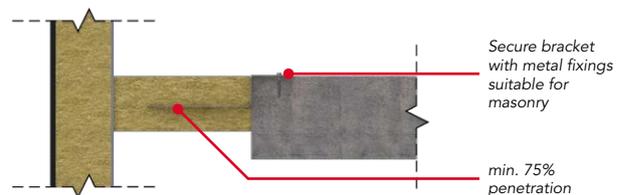


Figure 3

Sectional view of Firestop Slab and Bracket



Fixing into masonry wall cavities:

1. Cut the ROCKWOOL SP Firestop Slab to suit the *cavity size ensuring a tight fit.
2. After suitably re-profiling the SP Fixing Brackets they can be built into the bed joints of the internal leaf at 500mm ±10mm centres. Alternatively the SP Fixing Brackets may be re-profiled by hand into an 'L' shape and mechanically fixed to the face of the inner leaf.
3. The ROCKWOOL SP Firestop Slab is then impaled onto the SP Fixing Bracket after the next lift of inner leaf masonry.
4. Work on both leaves can then be continued and must include either a vertical damp proof course (vertical installation) or a cavity tray (horizontal installation) installed over the SP Firestop Slab as shown in Figure 5.

**Note: For cavity widths of 250mm or more, joints between adjacent lengths of SP Firestop Slab should be sealed on the top surface with aluminium foil tape.*

Ancillaries

SP Firestop Fixing Brackets

| Bracket type | Cavity size (up to mm) | Pieces/pack |
|--------------|------------------------|-------------|
| SP/S | 100 | 50 |
| SP/L | 400 | 50 |
| SP/XL | 600 | 50 |

ROCKWOOL 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 easily re-profiled by hand on site.

**Note: SP/XL brackets are designed for use with SP Firestop Plus Slab for 2 hours fire resistance in cavities up to 600mm.*

Brackets are supplied in cardboard boxes, flat packed, and are designed to be easily 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.

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

Figure 4

ROCKWOOL SP® Firestop Slab between floor and curtain wall

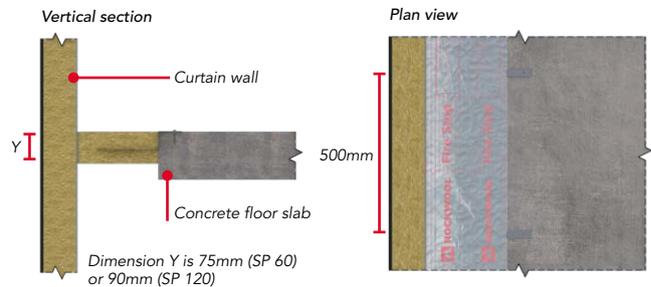
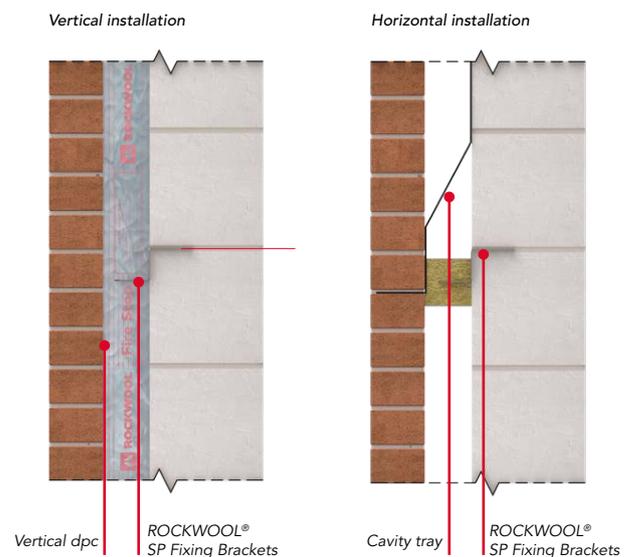


Figure 5

ROCKWOOL SP® Firestop Slab between masonry leaves



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.