



FirePro® SP FireStop

Stone wool firestop for cavity wall constructions

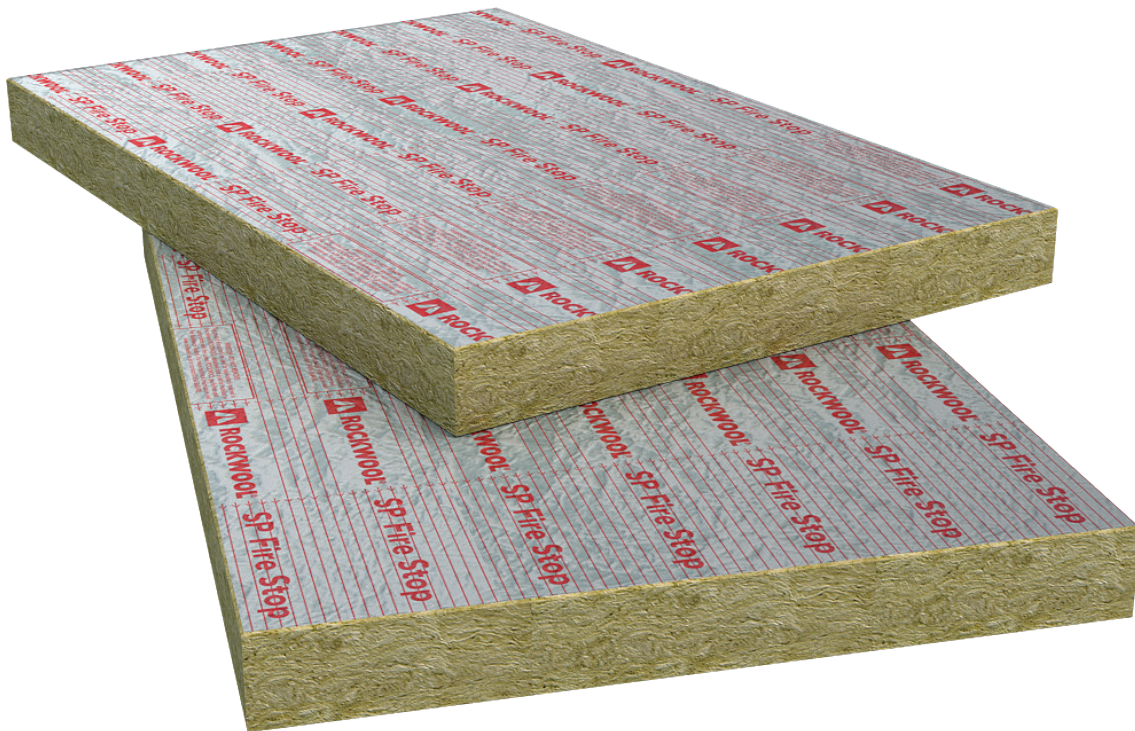
ROCKWOOL SP FireStop is designed and tested to resist the passage of fire, heat and smoke through cavity wall constructions.

- Easy to install, dry-fit system
- Up to +/- 3% movement*
- Tested to provide up to 2 hours of fire resistance*
- Resists the passage of smoke

**Subject to application*



FirePro SP FireStop



APPLICATIONS

SP FireStop may be installed horizontally or vertically and is suitable for cavity widths between 50mm and 600mm.*
SP FireStop Plus can be used horizontally in cavity widths up to 1000mm*. For further information please contact ROCKWOOL Technical Solutions.

SP FireStop is suitable for:

- Masonry constructions
- Large cavity voids
- Rainscreen façades (vertical use only)*

SP FireStop is not suitable for use as a horizontal fire barrier in ventilated façade systems. For these applications consider using ROCKWOOL SP FireStop OSCB.

Please contact ROCKWOOL Technical Solutions for fire resistance ratings in voids over 600mm wide, and for assistance with any other application enquiries.

FirePro SP FireStop

PERFORMANCE

Fire performance

SP FireStop can achieve a fire resistance rating of up to 2 hours in voids of up to 600mm.*

Product	Fire resistance		Cavity (mm)	Test standard
	Vertical	Horizontal		
SP60 FireStop Slab		EI60	50 - 300	BS EN 1366-4
SP120 FireStop Slab		EI120	50 - 300	BS EN 1366-4
SP60 FireStop Slab	E120, I30	E120, I60	50 - 400	BS 476 Part 20
SP120 FireStop Slab	E120, I60	E120, I60	50 - 400	BS 476 Part 20
SP120 FireStop Slab	E120, I60	EI120*	50 - 400	BS 476 Part 20
Fire performance with +/- 3%				
SP60 FireStop Slab	N/A	EI60	50 - 300	BS EN 1366-4
SP120 FireStop Slab	N/A	EI120	50 - 300	BS EN 1366-4
SP Plus (With XL Bracket)	EI120	EI120	50 - 600mm	BS EN 1366-4
SP Plus (With XL Bracket)	N/A	EI60	601 - 1000mm	BS EN 1366-4

*Performance requires min 100mm thick stone mineral wool insulation within the cavity

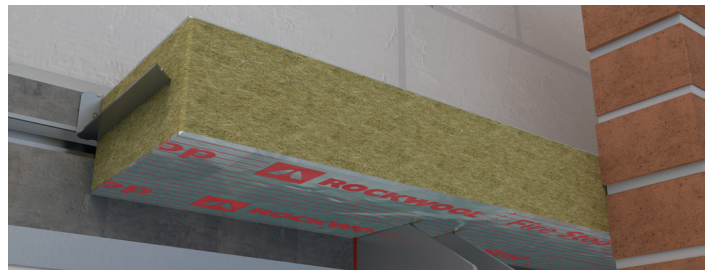
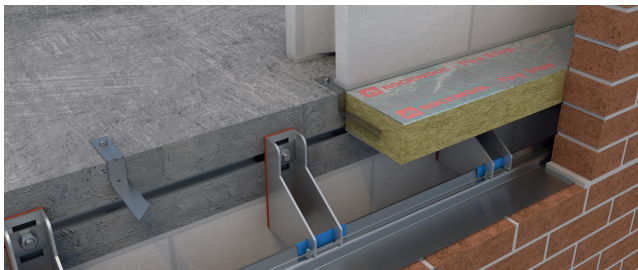
Movement testing

SP FireStop has been tested with movement applied in accordance with the provisions set out in Annex B of BS EN 1366-4: 2006. SP60 and SP120 can accommodate +/- 3% movement in horizontal cavities up to 300mm.

Masonry support bracket penetration

SP FireStop has been tested when penetrated by the AnconOptima Masonry Support System.

Product	Bracket penetration	Fire resistance	Cavity (mm)	Test standard
SP60 FireStop Slab	≤ 50%	EI60	300	BS EN 1366-4
SP60 FireStop Slab	< 100%	EI60	300	BS EN 1366-4
SP120 FireStop Slab	≤ 50%	EI120	300	BS EN 1366-4
SP120 FireStop Slab	< 100%	E120, I90	300	BS EN 1366-4
SP Plus	≤ 50%	EI120	600	BS EN 1366-4
SP Plus	< 100%	E120 I90	600	BS EN 1366-4
SP Plus	< 100%	EI60	1000	BS EN 1366-4



*Subject to the application

FirePro SP FireStop

Acoustic performance

ROCKWOOL products have acoustic properties and can reduce the levels of airborne sound transmission through wall and floor cavities. For further information please contact ROCKWOOL Technical Support.

PRODUCT INFORMATION

Property	SP60 & SP120 FireStop Slab	SP FireStop Plus
Length	1000mm	1200mm
Width	650mm	1000mm
Thickness	75 & 90mm	75mm
Fire resistance	Up to 2 hours*	Up to 2 hours*

*Subject to the application

STANDARDS AND APPROVALS

Certificate
SP FireStop System has been tested and assessed to BS 476: Part 20. It has also been tested to BS EN 1366-4: 2006 and classified to BS EN 13501-2.*
Achieves Euroclass A1 in accordance with BS EN 13501-1.
This product has been authorised for use in LUL surface and sub-surface premises when installed in accordance with this datasheet. Please refer to the LUL Approved Product Register at www.LU-apr.co.uk for specific details. LUL Ref: 2244.*

For more information visit rockwool.com/uk

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*Subject to the application

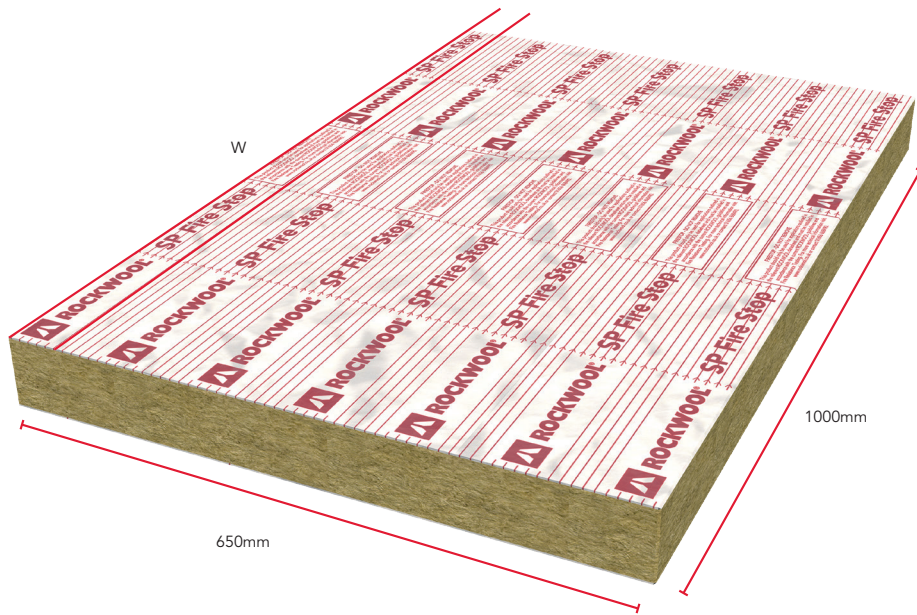
FirePro SP FireStop

INSTALLATION

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.



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

Figure 1
Cutting method for SP FireStop Slab

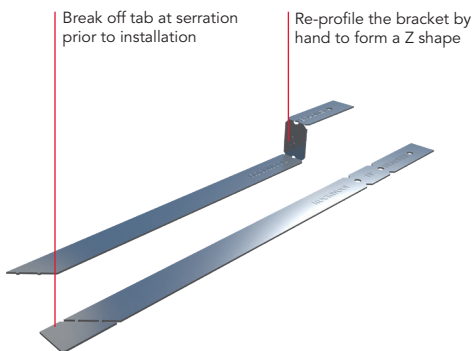


Figure 2
SP FireStop Fixing Bracket

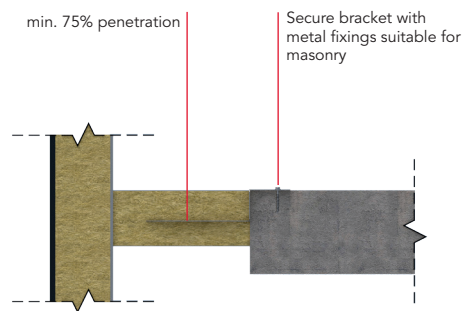


Figure 3
Sectional view of FireStop Slab and Bracket

FirePro SP FireStop

Fixing within cladding

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.

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 \pm 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.

**For cavity widths of 250mm or more: When used horizontally, joints between adjacent lengths of SP FireStop should be sealed on the top surface with aluminium foil tape. When used vertically, joints should be sealed on both sides with aluminium foil tape.*

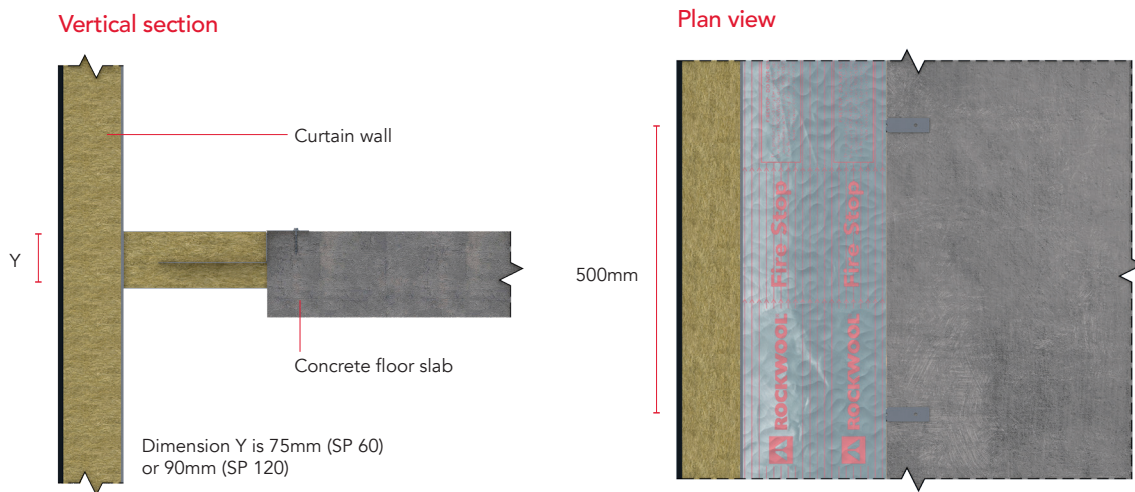


Figure 4
ROCKWOOL SP FireStop Slab between floor and external cladding

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 has been tested within representative wall and floor substrates to prove their 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 in to which it is installed. Where firestopping 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.

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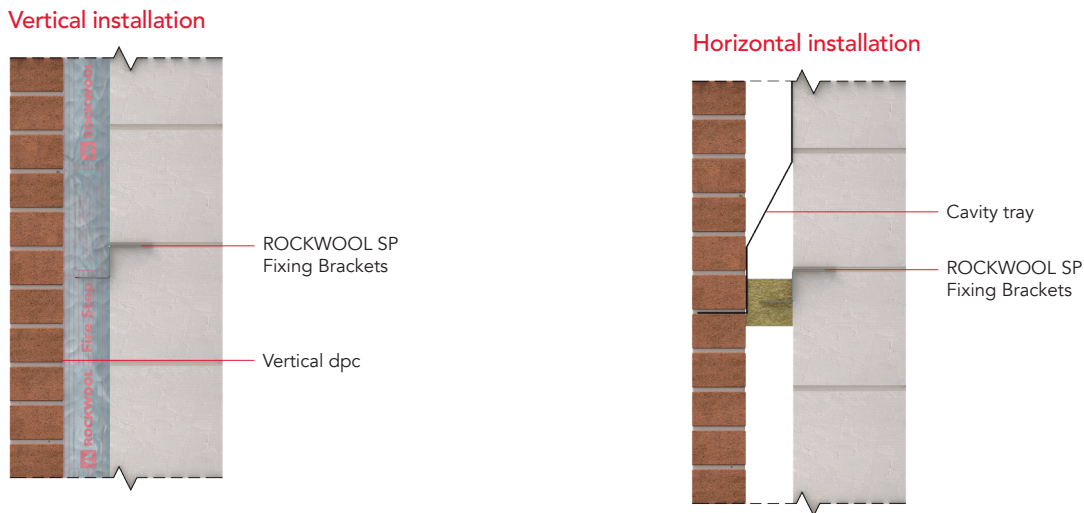


Figure 5
ROCKWOOL SP FireStop Slab between masonry leaves

Handling

ROCKWOOL SP FireStop Slabs are light and easy to handle. They are supplied in compression wrapped polyethylene, which will provide short term protection. For long term storage they must be protected by a waterproof covering.

Ancillaries

SP FireStop Fixing Brackets

Bracket type	Cavity size (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.

** 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.

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

SPECIFICATION CLAUSES

The SP FireStop System is associated with the following NBS specification clauses:

F30 Accessories/sundry items for brick/block stone walling
180 Cavity Closers
P10 Sundry insulation/proofing work
432 Cavity Barriers
P12 Fire stopping systems
360 Mineral Wool Rigid Batts

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BUILDING SAFETY AND PRODUCT USE

LEGAL NOTICES

General safety requirements – Building Safety Act 2022

ROCKWOOL Limited is committed to supporting specifiers, resellers and users of ROCKWOOL products for the full life cycle of the product to comply with the obligations and responsibilities set out in the Building Safety Act 2022. With regard to the general safety requirements of the Act, ROCKWOOL Limited cannot control or foresee every situation where its products might be used. We therefore strongly advise that specifiers, resellers and users contact us where use of ROCKWOOL products is contemplated in applications different from those explicitly described in the latest, relevant ROCKWOOL product datasheets; especially in applications that can be reasonably foreseen as critical to safety.

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The ROCKWOOL Trademark

ROCKWOOL® - our trademark

The ROCKWOOL trademark was initially registered in Denmark as a logo mark back in 1936. In 1937, it was accompanied with a word mark registration; a registration which is now extended to more than 60 countries around the world.

The ROCKWOOL trademark is one of the most important assets of the ROCKWOOL Group, and is therefore well-protected and defended by ROCKWOOL throughout the world.

If you require permission to use the ROCKWOOL logo for your business, advertising or promotion, you must apply for a Trade Mark Usage Agreement.

To apply, write to:
marketcom@rockwool.com

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Registered trademarks of the ROCKWOOL Group include but are not limited to:

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HEALTH & SAFETY

A Material Safety Data Sheet is available and can be downloaded from www.rockwool.com/uk to assist in the preparation of risk assessments, as required by the Control of Substances Hazardous to Health Regulations (COSHH)