



FIREPRO®

SP FIRESTOP SYSTEMS

The purpose-made solution for cavity fire stopping

The ROCKWOOL SP FireStop System comprises of both the SP FireStop Slab, SP FireStop Plus Slab and SP FireStop fixing brackets. SP Slabs incorporate a foil facing to both sides which helpfully includes cutting lines to support accurate installation.

- Easy to install, dry fit system
- Can accommodate limited movement
- Tested to provide up to 2 hours of fire resistance*
- Resists the passage of smoke – aluminium foil faced on both sides



**Subject to application*

For more information visit rockwool.com/uk

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FIREPRO® FIRESTOP SYSTEMS



APPLICATIONS

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

SP FireStop System is suitable for:

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

SP FireStop System is not suitable for use as a horizontal fire barrier in ventilated façade systems. For these applications consider using the 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® FIRESTOP SYSTEMS

PERFORMANCE

Fire performance

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

Product	Fire resistance		Cavity (mm)	Test standard	Assessment/ certification
	Vertical	Horizontal			
SP60 FireStop Slab		EI60	50 - 300	BS EN 1366-4	Certifire CF5836
SP120 FireStop Slab		EI120	50 - 300	BS EN 1366-4	Certifire CF5836
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	Certifire CF5836
SP120 FireStop Slab	N/A	EI120	50 - 300	BS EN 1366-4	Certifire CF5836
SP Plus (With XL Bracket)	EI120	EI120	50 - 600mm	BS EN 1366-4	Certifire CF5836
SP Plus (With XL Bracket)	N/A	EI60	601 - 1000mm	BS EN 1366-4	Certifire CF5836

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

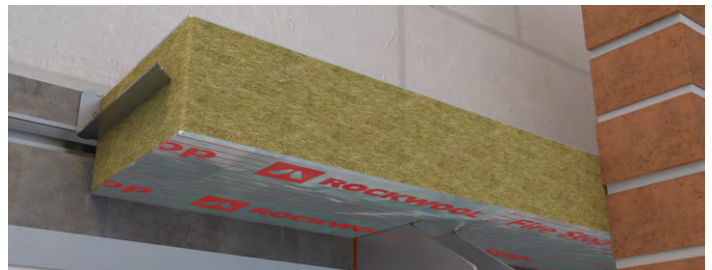
Movement testing

SP FireStop Slab 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

The SP FireStop System has been tested in conjunction with the AnconOptima Masonry Support System where the Masonry Support System penetrated the SP 60 FireStop Slab.

Product	Bracket penetration	Fire resistance	Cavity (mm)	Test standard	Assessment/ certification
SP60 FireStop Slab	≤ 50%	EI60	300	BS EN 1366-4	Certifire CF5836
SP60 FireStop Slab	< 100%	EI60	300	BS EN 1366-4	Certifire CF5836
SP120 FireStop Slab	≤ 50%	EI120	300	BS EN 1366-4	Certifire CF5836
SP120 FireStop Slab	< 100%	E120, I90	300	BS EN 1366-4	Certifire CF5836
SP Plus	≤ 50%	EI120	600	BS EN 1366-4	Certifire CF5836
SP Plus	< 100%	E120 I90	600	BS EN 1366-4	Certifire CF5836
SP Plus	< 100%	EI60	1000	BS EN 1366-4	Certifire CF5836



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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.
SP FireStop System is third party approved with Certifire ref: CF5836.*
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.*



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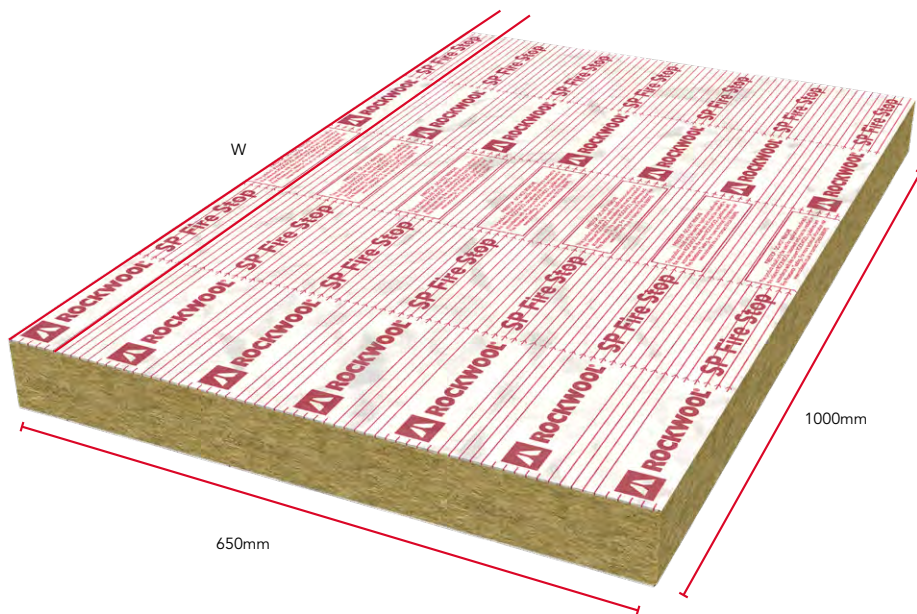
FIREPRO® FIRESTOP SYSTEMS

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

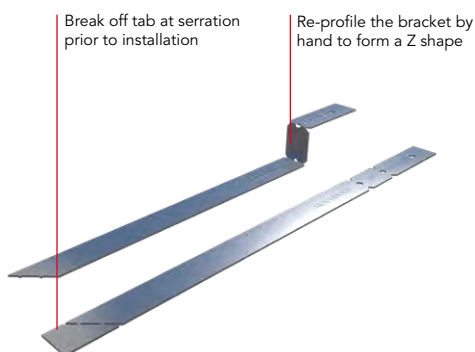


Figure 2
SP FireStop Fixing Bracket

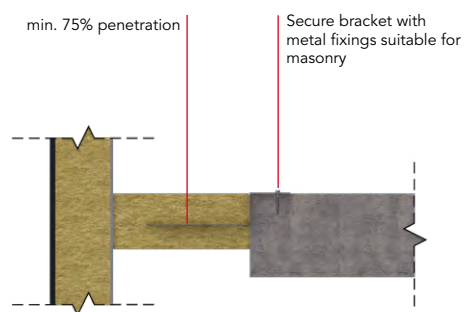


Figure 3
Sectional view of FireStop Slab and Bracket

FIREPRO® FIRESTOP SYSTEMS

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

5. Cut the ROCKWOOL SP FireStop Slab to suit the cavity size* ensuring a tight fit.
6. 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.
7. The ROCKWOOL SP FireStop Slab is then impaled onto the SP Fixing Bracket after the next lift of inner leaf masonry.
8. 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 Slab should be sealed on the top surface with aluminium foil tape, when used vertically joints between lengths should be sealed on both sides with aluminium foil tape.

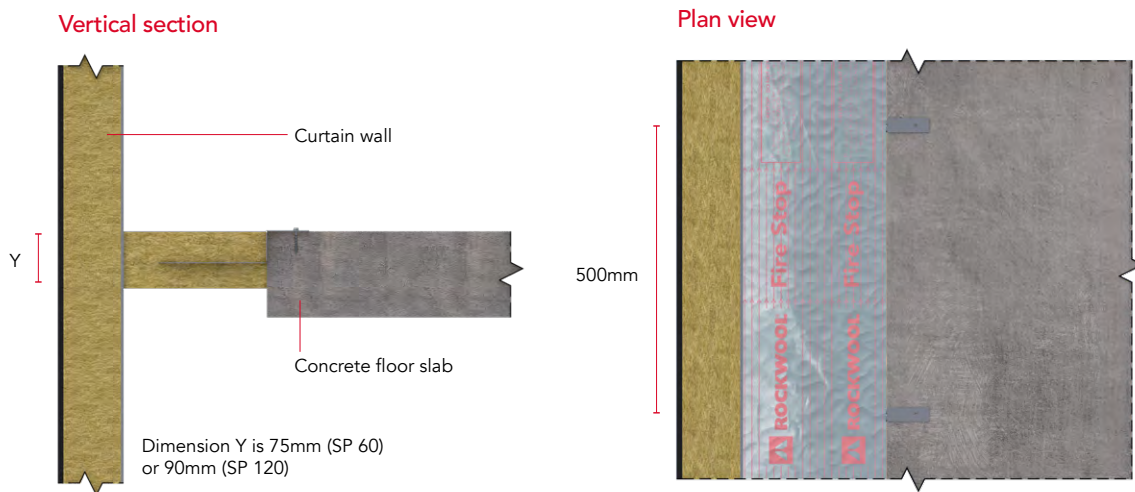


Figure 4
ROCKWOOL SP® FireStop Slab between floor and external cladding

Whilst the external wall is not typically required to have a fire resistance performance itself, the compartment floors and walls abutting it do, as such the SP FireStop Systems have 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 the fire-stop is only as good as the performance of the supporting substrates in to which it is installed. Where fire-stopping is installed up to a non-fire resisting external wall then the performance of the fire-stop will be limited to the performance of the wall itself.

FIREPRO® FIRESTOP SYSTEMS

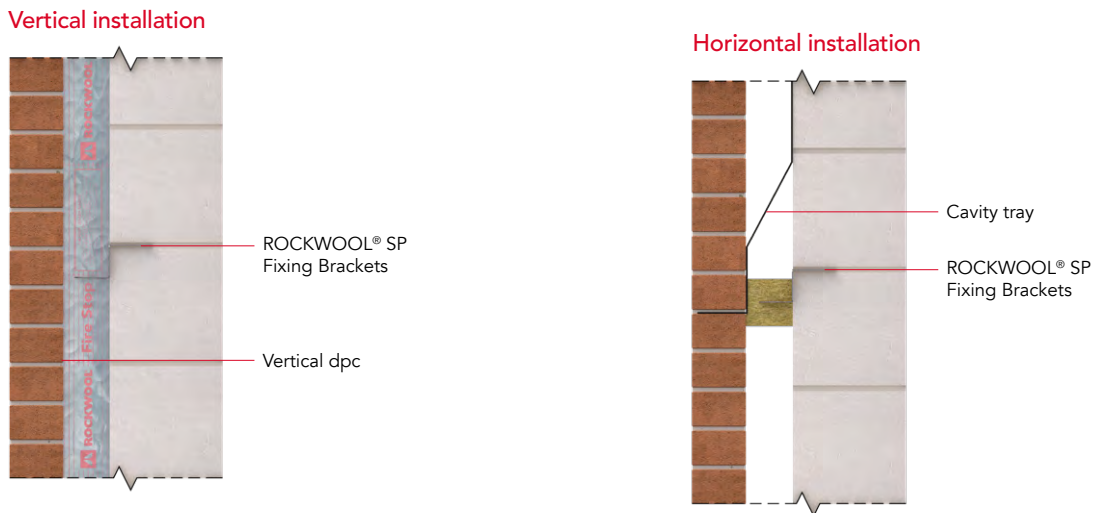


Figure 5
ROCKWOOL SP® FireStop Slab between masonry leaves

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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DISCLAIMERS

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Information contained in this data sheet is up-to-date as at the date of issue. As ROCKWOOL Limited cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. To the maximum extent permitted by law, ROCKWOOL Limited will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given other than those implied by law.

SUPPORTING INFORMATION

For further information relating to any aspect of the FIREPRO range, please refer to the applicable ROCKWOOL standard details at www.rockwool.com/uk or contact the ROCKWOOL technical solution team on 01656 868490 or technical.solutions@rockwool.com.

SUSTAINABILITY

As an environmentally conscious company, ROCKWOOL promotes the sustainable production and use of insulation and is committed to a continuous process of environmental improvement.

All ROCKWOOL products provide outstanding thermal protection as well as four added benefits:



HEALTH & SAFETY

The safety of ROCKWOOL stone wool is confirmed by current UK and Republic of Ireland health & safety regulations and EU directive 97/69/EC:ROCKWOOL fibres are not classified as a possible human carcinogen.

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).

ENVIRONMENT

Made from a renewable and plentiful naturally occurring resource, ROCKWOOL insulation saves fuel costs and energy in use and relies on trapped air for its thermal properties.

ROCKWOOL insulation does not contain (and has never contained) gases that have ozone depletion potential (ODP) or global warming potential (GWP).

ROCKWOOL is approximately 97% recyclable. For waste ROCKWOOL material that may be generated during installation or at end of life, we are happy to discuss the individual requirements of contractors and users considering returning these materials to our factory for recycling.