FirePro®
SP FireStop OSCB

Open-state cavity barrier for use exclusively with both RainScreen® Duo Slab and NyRock® RainScreen 032

Exclusively designed and tested for use only in conjunction with ROCKWOOL RainScreen Duo Slab and NyRock RainScreen 032, SP FireStop OSCB forms an open-state cavity barrier within the building facade, which allows for ventilation and drainage of the cavity under service conditions.

The product comprises of a continuous intumescent strip fixed to the leading edge of a foil faced stone wool barrier, encapsulated by a weather-resistant polythene sleeve.

Tested to ASFP TGD 19, the combination of non-combustible insulation with effective intumescent supports the construction of safe façade systems.

Installed horizontally and designed to ensure an appropriate open air space is maintained, the SP FireStop OSCB is suitable for cavity widths up to 600mm (see under 'Performance' for full details).

- Tested to "ASFP Technical Guidance Document 19: Fire resistance Test for 'open-state' cavity barriers used in the external envelope or fabric of buildings"
- Up to 120 minutes* fire integrity and insulation
- Satisfies NHBC and CWCT guidance for ventilation gaps at cavity barrier locations
- Wind and rain resistant
- Provides 25mm or 44mm airspace
- Easy site storage and handling
- Combined with either ROCKWOOL RainScreen Duo Slab or NyRock RainScreen 032 it simplifies the design of high rise buildings above 18m

*Subject to the application

Consisting of an intumescent strip fixed to high density non-combustible ROCKWOOL insulation, SP FireStop OSCB is designed to form an open-state cavity barrier within the building facade.

This allows the product to maintain ventilation and drainage of the cavity under normal service conditions, while in the event of a fire the intumescent strip will quickly expand outwards to seal off the cavity, preventing the passage of fire and smoke.

Pencoed, Bridgend CF35 6NY
Tel: (+44) 1656 862 621 • technical.solutions@rockwool.com

SP FireStop OSCB

APPLICATIONS

SP FireStop OSCB is suitable for use within ventilated façade systems.

PERFORMANCE

SP FireStop OSCB has been tested in accordance with ASFP TGD 19 and achieved the performances detailed in the table below. 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.

SP FireStop OSCB	Polythene wrap	Maximum dimensions (mm)		Fire performance (minutes)	
		Overall void	Open cavity	Integrity	Insulation
25	White; red text	600*	25	120	120
44	Red; white text	425	44	120	120

- SP FireStop OSCB 25 achieves up to 120 minutes, with a maximum open cavity of 25mm and maximum overall void of 600mm.
  *For voids equal to 425mm and up to 600mm a minimum thickness of 300mm of Rainscreen Duo Slab /NyRock Rainscreen 032 is required both above and below the cavity barrier.
- SP FireStop OSCB 44 achieves up to 120 minutes, with a maximum open cavity of 44mm and maximum overall void of 425mm.

PRODUCT INFORMATION

Dimensions
Length: 1000mm
Thickness: 90mm

STANDARDS AND APPROVALS

Certificate
SP FireStop is tested to ASFP TGD 19.

SP FireStop OSCB

Total cavity size (mm)	RainScreen Duo Slab (mm)	SP FireStop OSCB 25		SP FireStop OSCB 44	
		Product width (mm)	Open cavity (mm)	Product width (mm)	Open cavity (mm)
100	50	75	25	56	44
110	60	85	25	66	44
120	70	95	25	76	44
125	75	100	25	81	44
130	80	105	25	86	44
140	90	115	25	96	44
150	100	125	25	106	44
160	110	135	25	116	44
170	120	145	25	126	44
175	125	150	25	131	44
180	130	155	25	136	44
190	140	165	25	146	44
200	150	175	25	156	44
210	160	185	25	166	44
220	170	195	25	176	44
230	180	205	25	186	44
240	190	215	25	196	44
250	200	225	25	206	44
260	210	235	25	216	44
270	220	245	25	226	44
275	225	250	25	231	44
280	230	255	25	236	44
290	240*	265	25	246	44
300	250*	275	25	256	44
310	260*	285	25	266	44
320	270*	295	25	276	44
330	280*	305	25	286	44
340	290*	315	25	296	44
350	300*	325	25	306	44
360	310*	335	25	316	44
370	320*	345	25	326	44
380	330*	355	25	336	44
390	340*	365	25	346	44
400	350*	375	25	356	44
410	360*	385	25	366	44
420	370*	395	25	376	44
425	375*	400	25	381	44

SP FireStop OSCB

INSTALLATION

SP FireStop OSCB is only tested and certified for horizontal applications in conjunction with RainScreen Duo Slab or NyRock RainScreen 032.

For more detailed installation guidance, please download the OSCB Contractors' Guide from the ROCKWOOL website.

Note that the polythene wrap covering each section of barrier is not to be removed, and if cut must be reinstated.

SP FireStop OSCB is supplied ready to install with two galvanised steel fixing brackets and four pigtail screws per meter length.

The brackets should be mechanically and securely fixed to the wall at a maximum of 500mm centres using non-combustible fixings.

The product is impaled mid-barrier depth onto the fixing brackets, which should penetrate the barrier by at least half of the product width. The barrier must be pushed back sufficiently to ensure full contact with the supporting wall.

For SP FireStop OSCB 25 only, the front facing intumescent strip is secured to the barrier using the supplied pigtail screws, three per metre length at a maximum of 333mm centres. These screws should protrude from the front face of the barrier by a maximum of 25mm.

SP FireStop OSCB 44 should oversail the front face of the insulation, protruding into the cavity by at least 6mm.

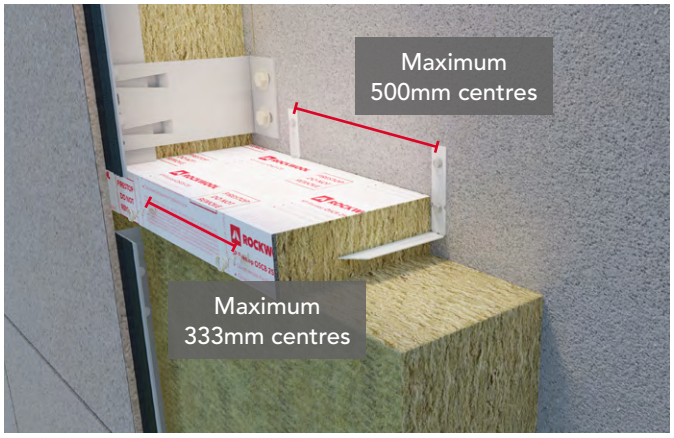
Adjacent lengths of barrier should be tightly butt jointed together.

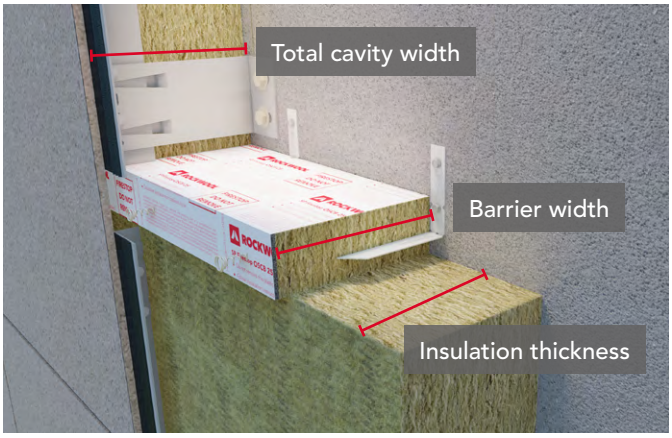
At a corner detail where two runs of OSCB meet (for clarity; referred to as A and B): A should be continued out past the corner to tightly butt against the outer cladding, and B should tightly butt against A.

Where OSCB meets a vertical FireStop, OSCB should be stopped and tightly butted against it.

For cut lengths, a minimum of two fixing brackets should be used.

Imperfections of up to 10mm can be filled with ROCKWOOL Acoustic Intumescent Sealant.





SP FireStop OSCB

Ancillary products

SP FireStop OSCB Fixing Brackets

Required for installation, these galvanised steel brackets are supplied with SP FireStop OSCB at a rate of two per metre length. Brackets are packaged in a separate cardboard box located at the bottom of a pallet - the location will be marked with a label.

SP Fixing Brackets are designed to be easily re-profiled by hand on site, and should be cut as necessary to ensure they penetrate the barrier by at least 50% of its width.

Stainless steel brackets are available as an option.

Pigtail Screws

These are required for SP FireStop OSCB 25, and are used to secure the front-facing intumescent strip. They are supplied at a rate of 3 per metre length and will be packaged with the SP FireStop fixing brackets.

Care should be taken to ensure that the pigtail screws protrude from the front face of the FireStop by a maximum of 25mm.

SP FireStop OSCB Fixing Brackets

Pigtail Screws

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.

ROCKWOOL Limited reserves the right to amend the specification of its products without notice. Changes to the ROCKWOOL manufacturing process, or to pertinent regulations, may be reflected in changes to tested and certified product performance. Whilst ROCKWOOL Limited endeavours to keep its publications up to date, readers will appreciate that between publications there may be pertinent changes in the law or other developments affecting the accuracy of the information contained in our publications.

ROCKWOOL Limited does not accept responsibility for the consequences of using (including testing or certifying) its products in applications different from those explicitly described in the relevant ROCKWOOL product datasheets. Expert advice should be sought, and ROCKWOOL Limited should be contacted, where such different use is contemplated, or where the extent of any use described by ROCKWOOL Limited is in doubt.

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

Trademarks

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

ROCKWOOL®, RockClose®, RainScreen Duo Slab®, HardRock®, RockFloor® Flexi®, RockFall®, FirePro®, DuctRock®, BeamClad®, NyRock®

Photography and illustrations

The product illustrations are the property of ROCKWOOL Limited and have been created for indicative purposes only.

Unless indicated below, the photography and illustrations used in this guide are the property of ROCKWOOL Limited. We reserve all rights to the usage of these images.

If you require permission to use ROCKWOOL images, you must apply for a Usage Agreement.

To apply, write to:
marketcom@rockwool.com

ROCKWOOL stone wool - safe to install and live alongside

There are no hazardous classifications associated with stone wool insulation manufactured by ROCKWOOL-UK according to EU REACH and UK REACH regulations on health and the environment.

ROCKWOOL safe use instruction sheets and material safety data sheets (where applicable) can be downloaded **here**.

Sustainability

ROCKWOOL products are used to enrich modern living, creating safer, healthier and more climate-resilient communities.

We transform abundant, natural volcanic rock into stone wool insulation products that are used to reduce energy demand, lower fuel bills and help address society's climate change challenges.

ROCKWOOL stone wool insulation is recyclable and can be transformed into new ROCKWOOL products. Please contact us for details of how we can work together to recycle waste ROCKWOOL stone wool material that may be generated during on-site installation.

Our annual sustainability reports, which set out progress against our sustainability goals, and further details of the positive impacts of using our products can be found on our website.

Environment

ROCKWOOL takes a fact-based, auditable approach to documenting our progress in maximising our products' positive impact and minimising the effect our operations have on the environment, backed by third-party references and methodologies. Further details can be found online in our annual sustainability report.

Our high-tech production process uses filters, pre-heaters, after-burners and other cleaning and collection systems that help to reduce the effects of our manufacturing operations on the environment.

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