

Rocksilk® RainScreen FireStop Slab

June 2026

Build on us.

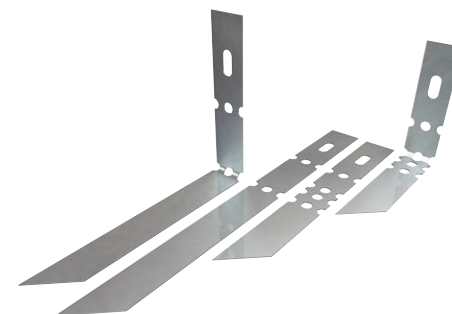
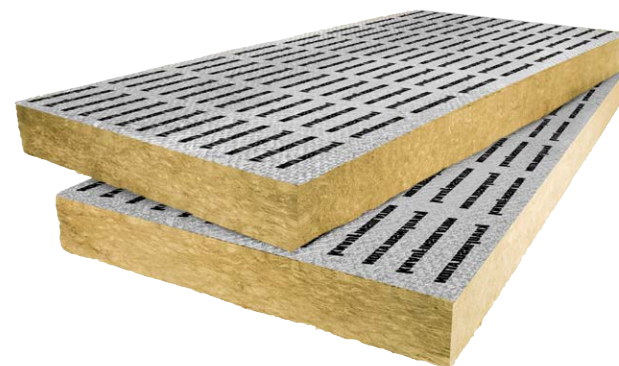
Description

Rocksilk® RainScreen FireStop Slab is a cavity barrier manufactured from rock mineral wool, suitable for use as a vertical cavity barrier in buildings with a ventilated cavity, and vertically and horizontally in buildings with masonry façades.

It is part of a tested system with Rocksilk® RainScreen Slabs that provides fire resistance for up to 120 minutes integrity and 120 minutes insulation (EI120).

Benefits

- › Forms part of a tested system providing fire resistance for up to 120 minutes integrity and 120 minutes insulation
- › Fixing bracket included as standard on pre-cut slabs
- › Foil-faced on both sides for simple installation
- › Available in full slab to cut on site or factory finished cut to size
- › Holds a third party certificate by Kiwa (certificate IFCC 1940)



Rocksilk® RainScreen FireStop Slab

Technical Specifications

ROCKSILK® RAINSCREEN FIRESTOP SLAB

Maximum cavity width (mm)	Product width (mm)	Dimensions (mm)	Pieces per pack	Packs per pallet	Area per box (m ²)	Area per pallet (m ²)	Product Code
100 - 450	600*	100x600x1200	n/a	40	0.720	28.800	829620 **
50	55	55x100x1200	48	10	3.168	31.680	834133
60	65	65x100x1200	40	10	3.120	31.200	834134
70	75	75x100x1200	40	10	3.600	36.000	834135
80	85	85x100x1200	30	10	3.060	30.600	834136
90	95	95x100x1200	24	10	2.736	27.360	834137
100	105	105x100x1200	24	10	3.024	30.240	834138
110	115	115x100x1200	24	10	3.312	33.120	834139
120	125	125x100x1200	18	10	2.700	27.000	834140
130	135	135x100x1200	18	10	2.916	29.160	834141
140	145	145x100x1200	18	10	3.132	31.320	834142
150	155	155x100x1200	18	10	3.348	33.480	834143
160	165	165x100x1200	12	12	2.376	28.512	834144
170	175	175x100x1200	12	12	2.520	30.240	834145
180	185	185x100x1200	12	12	2.664	31.968	834146
190	195	195x100x1200	12	10	2.808	28.080	834147
200	205	205x100x1200	12	10	2.952	29.520	834148
210	215	215x100x1200	12	10	3.096	30.960	834149
220	225	225x100x1200	12	8	3.240	25.920	834150
230	235	235x100x1200	12	8	3.384	27.072	834151
240	245	245x100x1200	10	8	2.940	23.520	834152

All dimensions are nominal

* Product must be cut to size, ensuring it is 5mm wider to allow for compression

** Full slab version does not come with fixing brackets included as standard. Must be ordered separately.

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Maximum cavity width (mm)	Product width (mm)	Dimensions (mm)	Pieces per pack	Packs per pallet	Area per box (m ²)	Area per pallet (m ²)	Product Code
250	255	255x100xv1200	10	8	3.060	24.480	834153
260	265	265x100x1200	8	10	2.544	25.440	834154
270	275	275x100x1200	8	10	2.640	26.400	834155
280	285	285x100x1200	8	10	2.736	27.360	834156
290	295	295x100x1200	8	10	2.832	28.320	834157
300	305	305x100x1200	8	10	2.928	29.280	834158
325	330	330x100x1200	6	10	2.376	23.760	834159
350	355	355x100x1200	6	10	2.556	25.560	834160
375	380	380x100x1200	6	10	2.736	27.360	834161
400	405	405x100x1200	4	10	1.944	19.440	834162
425	430	430x100x1200	4	10	2.064	20.640	834163
450	455	455x100x1200	4	10	2.184	21.840	834164

ROCKSILK® RAINSCREEN FIRESTOP SLAB FIXING BRACKET

Maximum cavity width (mm)		Dimensions (mm)	Pieces per pack	Packs per pallet	Product Code
160	n/a	200x25x1	10	n/a	834111
450	n/a	275x25x1	10	n/a	834110

All dimensions are nominal

Rocksilk® RainScreen FireStop Slab

Performance

ROCKSILK® RAINSCREEN FIRESTOP SLAB

Orientation	With Masonry Support Brackets?	Inner Leaf	Insulation	Cavity Width (mm)	Integrity (E) (mins)	Insulation (I) (mins)
Horizontal	No	Concrete Masonry Sheathing board	Rocksilk® RainScreen Slab	60-100	120	120
	No	Concrete Masonry Sheathing board	Rocksilk® RainScreen Slab Rocksilk® RainScreen Slab EE	100-450	120	120
	Yes	Concrete Masonry	Rocksilk® RainScreen Slab	60-100	120	120
	Yes	Concrete Masonry	Rocksilk® RainScreen Slab Rocksilk® RainScreen Slab EE	100-450	120	90
Vertical	No	Concrete Masonry Sheathing board	Rocksilk® RainScreen Slab	60-100	120	120
	No	Concrete Masonry Sheathing board	Rocksilk® RainScreen Slab Rocksilk® RainScreen Slab EE	100-450	120	120

Applications



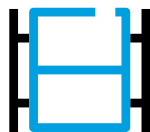
Masonry cavity walls
partially filled



Frame construction with
masonry outer

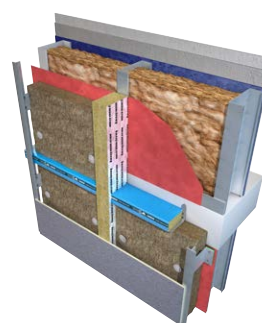
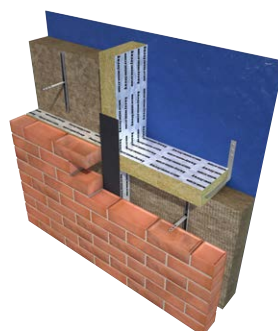


Timber frame walls
built-in insulation
between studs with
partially filled cavity



Rainscreen façade
system

Typical Build-Up



Certification, accreditations and industry standards



Rocksilk® RainScreen FireStop Slab

Application

Rocksilk® RainScreen FireStop Slab is used as vertical open state cavity barriers in buildings with ventilated cavities or as a horizontal and vertical cavity barrier in closed state cavities to provide fire resistance between compartments, floor levels and cavity openings such as windows or doors.

It is suitable for use in partially filled masonry cavities where the inner leaf is concrete/masonry/steel or timber frame.

Rocksilk® RainScreen FireStop Slab is recommended for use against a steel, timber, masonry inner or reinforced concrete inner leaf where the construction has a ventilated cavity.

Rocksilk® RainScreen FireStop Slab should be partnered with Rocksilk® RainScreen OSCB which is installed horizontally, and Rocksilk® RainScreen Slabs for a complete rainscreen cavity system for open state cavities.

Rocksilk® RainScreen FireStop Slab should be partnered with Rocksilk® RainScreen Slabs for a complete rainscreen cavity system for closed state cavities.

The outer wall must be concrete or masonry units (concrete blocks/bricks) or other non-combustible substrate that does not deform or deflect in such a way that would adversely affect the performance of the cavity barrier. If concrete is not used, then the performance of the cavity barrier will be dependent on the outer wall remaining in place and not deforming or deflecting for the same period of time as the cavity barrier. Use of substrates other than those tested will require an assessment from a competent fire engineer.

Standards and Certification

Rocksilk® RainScreen FireStop Slab has been specifically tested and assessed when used in conjunction with Rocksilk® RainScreen Slabs, therefore should only be used where Rocksilk® RainScreen Slabs are used as the sheathing insulation in the residual cavity.

Rocksilk® RainScreen FireStop Slab has been tested to BS EN 1366-4:2021 and has been assessed by Kiwa Fire Safety (KFS) under KFS Report PAR/22577/02. Rocksilk® RainScreen FireStop Slab is third party certified by IFC Certification Ltd (Kiwa) under certificate number IFCC1940. For copies of the assessment reports and certificates please contact our Technical Services Team.

All of our mineral wool is made of non-classified fibres and is certified by EUCB. EUCB (European Certification Board of Mineral Wool Products - www.euceb.org) is a voluntary initiative by the mineral wool industry. It is an independent certification authority that guarantees that products are made of fibres which comply with the exoneration criteria for carcinogenicity (Note Q) of the Regulation (EC) 1272/2008.

Thermal Modelling

The U-value of a proprietary rainscreen façade system is dependent on the degree of thermal bridging in the system. Calculations should be created using 2D or 3D modelling programs which comply with the methodologies detailed in BS EN ISO 10211:2017.

We offer 3D numerically modelled U-value calculations compliant with BS EN ISO 10211:2017.

System Testing

Knauf Insulation maintains declared product characteristics and qualities which are defined in detail in its Declaration of Performances (DoPs) and product literature. The product literature also includes information relating to Knauf Insulation's requirements and recommendations for installation of its products when being used as part of a system.

Any party using, or planning to use, our products in a system (with or without system testing) where performance may be dependent on product characteristics not declared on our DoPs or our product literature, must contact our Technical Service Team.

Knauf Insulation will not accept liability for any failure in system performance due to product characteristics not declared on DoPs or product literature, or not agreed in a Service Level Agreement. In such an event, any warranty given in relation to those products will be invalidated.

Real Performance

Glass and rock mineral wool are easier to install correctly than other insulants, such as rigid boards, because they adapt to any slight imperfections in the substrate and knit together, eliminating any air gaps. Mineral wool is engineered to adapt to any imperfections, and any settlement/movement over time, so it maintains close contact and preserves thermal performance for the life of the building.

Evidence shows the absence of air gaps is crucial to achieving real performance in the relevant application. Any insulation material that doesn't deliver 'as-built' thermal performance is failing in its primary purpose, and therefore presents an unnecessary risk as the construction industry seeks to close the performance gap.

Moisture Resistance

The physical and chemical characteristics of the fibres are unaltered by wetting. Therefore, the thermal properties of Rocksilk® RainScreen FireStop Slab are not affected by exposure to moisture and the product will perform as expected once dry and undamaged.

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Durability and Fitness for Use

Rocksilk® RainScreen FireStop Slab is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria. The product will have a life equivalent to that of the structure in which it is incorporated.

Sustainability

Our rock mineral wool is manufactured using around 35% recycled content (recycled material mostly from the steel industry along with customer production waste).

The overall environmental performance of our products is reported in their EPDs (Environmental Product Declarations), in accordance to ISO 14025:2023, ISO 21930:2017 and EN 15804+A2:2019. EPDs are available to download on our website for relevant products.

We have received the BES6001(v4.0) 'Very Good' rating for our three manufacturing plants, which proves that our products are made with constituent materials that are responsibly sourced.

Handling and Storage

Rocksilk® RainScreen FireStop Slab should be stored properly and handled in such a way as to ensure that the product remains clean and undamaged.

The boxes used for the supply of Rocksilk® RainScreen FireStop Slab are designed for short-term protection only. For longer term protection on site, the product should either be stored indoors or under cover and off the ground. Rocksilk® RainScreen FireStop Slab should not be left permanently exposed to the elements.

The product must be protected from prolonged exposure to sunlight, and stored dry and flat.

Rocksilk® RainScreen FireStop Slab is light and easy to handle; care should be exercised to avoid crushing the edges or corners. If damaged, the product should be discarded. Damaged, contaminated or wet products must not be used.

During construction exposed areas should always be covered at the end of a day's work or in heavy rain. Polyethylene covers should be used to provide protection and prevent work from becoming saturated.

Knauf Insulation Ltd

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KINE4968DAT-V0626

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