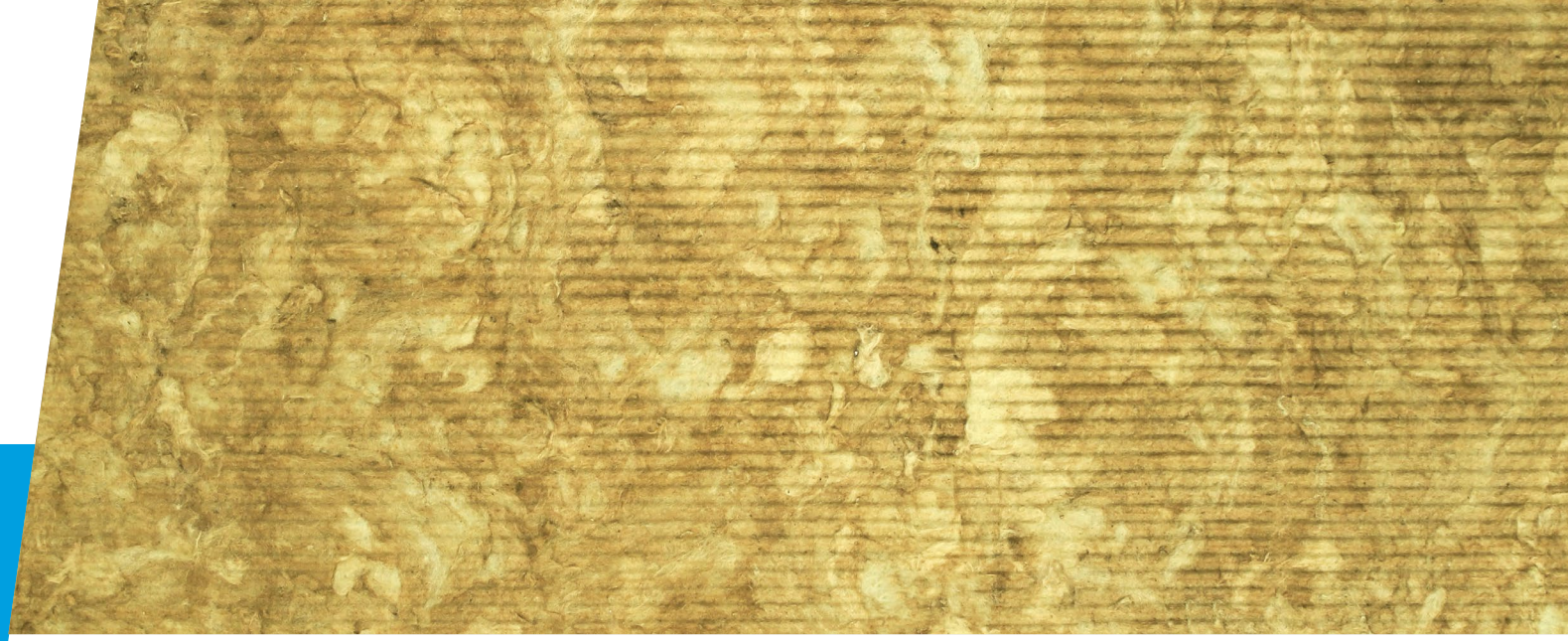
KNAUF INSULATION

Rocksilk® RainScreen OSCB, OSCB Plus

July 2024

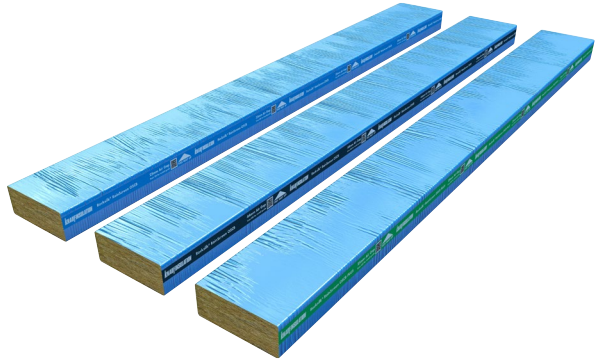
Build on us.



Description

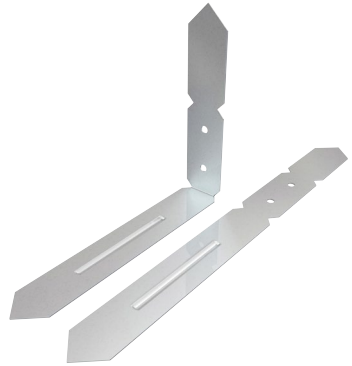
Rocksilk® RainScreen OSCBs are horizontal cavity barriers manufactured from rock mineral wool, shrink wrapped with a reactive intumescent strip, for use in ventilated cavities up to 450mm.

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



Benefits

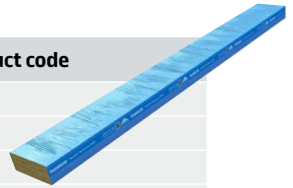
- Form part of tested systems providing fire resistance for up to 120 minutes insulation and 120 minutes integrity (EI120).
- Fixing bracket included as standard.
- Reactive intumescent strip expands in the event of a fire to fill the residual cavity.
- Suitable for horizontal applications with a cladding outer leaf.



Rocksilk® RainScreen OSCB, OSCB Plus

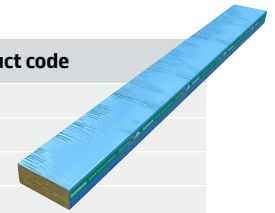
Technical Specifications

ROCKSILK® RAINSCREEN OSCB25



Maximum cavity wdith (mm)	Barriers per pack	Packs per pallet	Linear meters per pack	Linear meters per pallet	Pallet product code
100-125	14	8	16.8	134.4	834165
126-150	14	8	16.8	134.4	834166
151-175	12	8	14.4	115.2	834167
176-200	9	8	10.8	86.4	834168
201-225	9	8	10.8	86.4	834169
226-250	6	8	7.2	57.6	834170
251-275	6	8	7.2	57.6	834171
276-300	6	8	7.2	57.6	834172
301-325	6	8	7.2	57.6	834173
326-350	5	8	6.0	48.0	834174
351-375	5	8	6.0	48.0	834175
376-400	5	8	6.0	48.0	834176
401-425	5	8	6.0	48.0	834177
426-450	5	8	6.0	48.0	834178

ROCKSILK® RAINSCREEN OSCB25 PLUS



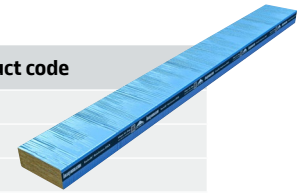
Maximum cavity wdith (mm)	Pieces per pack	Packs per pallet	Linear meters per pack	Linear meters per pallet	Pallet product code
100-125	14	8	16.8	134.4	834179
126-150	14	8	16.8	134.4	834180
151-175	12	8	14.4	115.2	834181
176-200	9	8	10.8	86.4	834182
201-225	9	8	10.8	86.4	834183
226-250	6	8	7.2	57.6	834184
251-275	6	8	7.2	57.6	834185
276-300	6	8	7.2	57.6	834186
301-325	6	8	7.2	57.6	834187
326-350	5	8	6.0	48.0	834188
351-375	5	8	6.0	48.0	834189
376-400	5	8	6.0	48.0	834190
401-425	5	8	6.0	48.0	834191
426-450	5	8	6.0	48.0	834192

All dimensions are nominal

Rocksilk® RainScreen OSCB, OSCB Plus

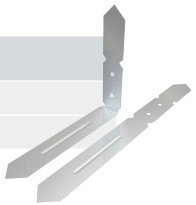
Technical Specifications

ROCKSILK® RAINSCREEN OSCB44



Maximum cavity wdith (mm)	**Pieces per pack**	**Packs per pallet**	**Linear meters per pack**	**Linear meters per pallet**	**Pallet product code**
100-125	14	8	16.8	134.4	834193
126-150	14	8	16.8	134.4	834194
151-175	12	8	14.4	115.2	834195
176-200	9	8	10.8	86.4	834196
201-225	9	8	10.8	86.4	834197
226-250	6	8	7.2	57.6	834198
251-275	6	8	7.2	57.6	834199
276-300	6	8	7.2	57.6	834200
301-325	6	8	7.2	57.6	834201
326-350	5	8	6.0	48.0	834202
351-375	5	8	6.0	48.0	834203
376-400	5	8	6.0	48.0	834204
401-425	5	8	6.0	48.0	834205
426-450	5	8	6.0	48.0	834206

ROCKSILK® RAINSCREEN OSCB FIXING BRACKET



Maximum cavity wdith (mm)	**Dimensions** (mm)	**Product code**
≤274	300	834109
275-450	330	834108

All dimensions are nominal

Rocksilk® RainScreen OSCB, OSCB Plus

Performance

FIRE PERFORMANCE

Product	**Cavity widths** (mm)	**Fire performance** (mins)	
		Integrity (E)	**Insulation** (I)
Rocksilk® RainScreen OSCB25	100-450	90	90
Rocksilk® RainScreen OSCB25 Plus	100-450	120	120
Rocksilk® RainScreen OSCB44	100-450	120	90

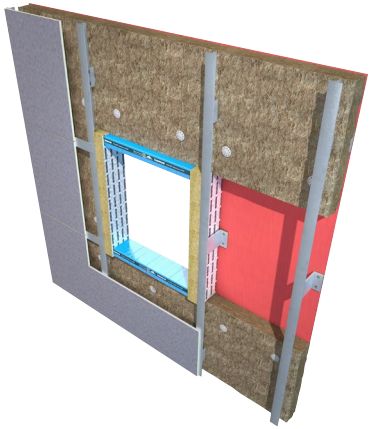
Applications

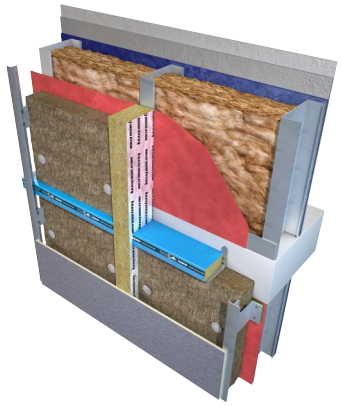
Rainscreen façade system

Certification, accreditations and industry standards

MADE IN BRITAIN

Typical Build-Up





Rocksilk® RainScreen OSCB, OSCB Plus

Application

Rocksilk® RainScreen OSCBs are used as horizontal open state cavity barriers in buildings with ventilated cavities. Rocksilk® RainScreen OSCBs contain a reactive intumescent strip which allows ventilation and drainage in a rainscreen cavity. The strip will expand in the event of a fire to fully seal the cavity providing fire resistance, preventing passage of smoke and flames.

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

Rocksilk® RainScreen OSCBs should be partnered with Rocksilk® RainScreen FireStop Slab which is installed vertically, and Rocksilk® RainScreen Slabs for a complete rainscreen cavity system.

Standards and Certification

Rocksilk® RainScreen OSCBs have 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 insulaton in the residual cavity.

Rocksilk® RainScreen OSCBs have been tested to "ASFP Technical Guidance Document 19: Fire Resistance Test For Open State Cavity Barriers Used In The Envelope Or Fabric Of Buildings" and have been assessed by KIWA Fire Safety (KFS) under KFS Report PAR/24872/01.

Rocksilk® RainScreen OSCBs are third party certified by IFC Certification Ltd (KIWA) under certificate number IFCC1939.

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.

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

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 Services 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 OSCBs are not affected by exposure to moisture and the product will perform as expected once dry and undamaged.

Durability

Rocksilk® RainScreen OSCBs are odourless, rot proof, non-hygroscopic, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria. The products will have a life equivalent to that of the structure in which they are 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).

Rocksilk® RainScreen OSCBs contain no ozone-depleting substances or greenhouse gases. The overall environmental performance of our products is reported in their EPDs (Environmental Product Declarations) which are available on our website. EPDs are available for all our products in accordance with ISO 14025, ISO 21930 and EN 15804+A2.

We have received the BES6001 `Very Good' rating for all our mineral wool in our three plants, which proves that our products are made with constituent materials that are responsibly sourced.

Handling and Storage

Rocksilk® RainScreen OSCBs 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 OSCBs 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 OSCBs 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 OSCBs are light and easy to handle; care should be exercised to avoid crushing their 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.

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