KNAUFINSULATION

Rocksilk® RainScreen Slab EE

February 2026

Build on us.

Description

Rocksilk® RainScreen Slab EE is a rock mineral wool slab designed for use as sheathing insulation in rainscreen façade systems on any building of any height. It has a water-repellent black tissue facing that provides exposure protection to the insulation during construction.

Rocksilk® RainScreen Slab EE is non-combustible with an A2-s1,d0 reaction to fire classification, and is manufactured using our unique plant-based binder, ECOSE® Technology.

Benefits

- Designed so it can be left exposed during construction before the cladding / masonry façade is installed and engineered to adapt to minor imperfections in the substrates.
- Matching black fixings available, in addition to a black jointing tape which provides an effective seal between slabs and prevents gaps during installation.
- Provides an aesthetic solution behind perforated panels.
- Supported by 3D U-value calculation service (BS EN 10211 compliant) to accurately ensure the façade performs as specified.
- Holds a CCPI Assessment Mark (certificate number 000600063/0426) for the entire product set.

NON-COMBUSTIBLE INSULATION

with ECOSE® TECHNOLOGY

Rocksilk® RainScreen Slab EE

Technical Specifications

ROCKSILK® RAINSCREEN SLAB EE

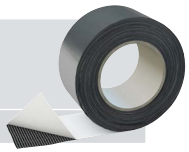
Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m^2K/W)	Length (mm)	Width (mm)	Pieces per pack	Packs per pallet	Area per pack (m^2)	Area per pallet (m^2)	GWP A1-A3 ($kgCO_2e/m^2$)	GWP A1-C4 ($kgCO_2e/m^2$)	GWP A1-A3 ($kgCO_2e/kg$)	GWP A1-C4 ($kgCO_2e/kg$)	Pallet product code
250	0.034	7.35	1200	600	2	10	1.440	14.400	18.34	23.01	1.33	1.67	811451
240	0.034	7.05	1200	600	2	10	1.440	14.400	17.60	22.09	1.33	1.67	811450
230	0.034	6.75	1200	600	2	12	1.440	17.280	16.87	21.16	1.33	1.67	811204
220	0.034	6.45	1200	600	2	12	1.440	17.280	16.14	20.24	1.33	1.67	811203
210	0.034	6.15	1200	600	2	12	1.440	17.280	15.40	19.32	1.33	1.67	811202
200	0.034	5.85	1200	600	2	12	1.440	17.280	14.67	18.40	1.33	1.67	811201
190	0.034	5.55	1200	600	2	12	1.440	17.280	13.94	17.48	1.33	1.67	811200
180	0.034	5.25	1200	600	3	10	2.160	21.600	13.20	16.56	1.33	1.67	811199
170	0.034	5.00	1200	600	3	10	2.160	21.600	12.47	15.64	1.33	1.67	811198
165	0.034	4.85	1200	600	3	10	2.160	21.600	12.10	15.18	1.33	1.67	811197
160	0.034	4.70	1200	600	3	10	2.160	21.600	11.74	14.72	1.33	1.67	809943
155	0.034	4.55	1200	600	3	12	2.160	25.920	11.37	14.26	1.33	1.67	809939
150	0.034	4.40	1200	600	3	12	2.160	25.920	11.00	13.80	1.33	1.67	809938
140	0.034	4.10	1200	600	3	12	2.160	25.920	10.27	12.88	1.33	1.67	809933
130	0.034	3.80	1200	600	3	12	2.160	25.920	9.54	11.96	1.33	1.67	809929
125	0.034	3.65	1200	600	4	10	2.880	28.800	9.17	11.50	1.33	1.67	809931
120	0.034	3.50	1200	600	4	10	2.880	28.800	8.80	11.04	1.33	1.67	809866
110	0.034	3.20	1200	600	4	12	2.880	34.560	8.07	10.12	1.33	1.67	809865
100	0.034	2.90	1200	600	4	12	2.880	34.560	7.34	9.20	1.33	1.67	809864
90	0.034	2.60	1200	600	5	12	3.600	43.200	6.60	8.28	1.33	1.67	809863
80	0.034	2.35	1200	600	5	12	3.600	43.200	5.87	7.36	1.33	1.67	809862
75	0.034	2.2	1200	600	6	12	4.320	51.840	5.50	6.90	1.33	1.67	809861
70	0.034	2.05	1200	600	6	12	4.320	51.840	5.13	6.44	1.33	1.67	809166
60	0.034	1.75	1200	600	7	12	5.040	60.480	4.40	5.52	1.33	1.67	809860

EPD ID:IES-0009197 The declared unit is 1m2 of glass veil faced, uncoated rock mineral wool Rocksilk® RainScreen Slab EE with R-value of 3.50 m^2K/W (for a thickness of 120 mm and a declared lambda of 0.034 W/mK).

☐ *Standard thickness.*
All dimensions are nominal.

ROCKSILK® RAINSCREEN SLAB EE TAPE

Length (mm)	Thermal conductivity (W/mK)	Pieces per pack	Product code
25000	60	1	808599



Rocksilk® RainScreen Slab EE

Performance

THERMAL (W/mK)

0.032	0.034		0.044

FIRE CLASSIFICATION

A1	A2-s1,d0	B	C	D	E	F

Euroclass reaction to fire classification

VAPOUR RESISTIVITY

5.00 MNs/g.m

WIND LOAD

3.6kPa / (76m/s)

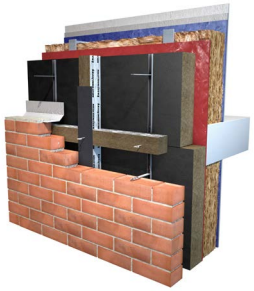
Applications

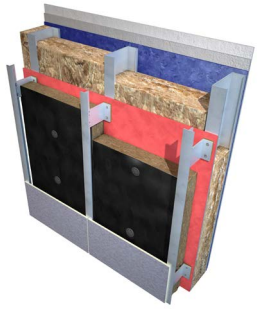
Rainscreen façade systems with masonry outer leaf

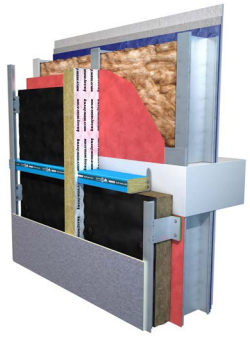
Timber frame walls: Built-in insulation between studs with partially filled cavity

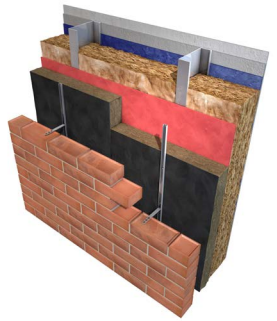
Rainscreen façade systems with light steel frame construction

Typical Build-Ups









Certification, accreditations and industry standards

Rocksilk® RainScreen Slab EE

Application

Rocksilk® RainScreen Slab EE is used for the thermal insulation of rainscreen façade systems. Rocksilk® RainScreen Slab EE is lightweight but rigid enough to resist the compression forces generated when fixing the insulation slab to the building's superstructure.
The water-repellent facing provides protection to the insulation during construction while the extra additive in Rocksilk® RainScreen Slab EE provides a further line of defence against moisture ingress. Rocksilk® RainScreen Slab EE is recommended for use in rainscreen façade systems using a timber, SFS, masonry or reinforced concrete substrate.

Rocksilk® RainScreen Slab EE is also recommended for use in partial-fill applications, against a steel or timber inner leaf with a masonry façade.

Rocksilk® RainScreen Slab EE is designed so that it can be left exposed as a full rainscreen wall, before the cladding or masonry façade is constructed.

Rocksilk® RainScreen Slab EE Tape can be used to seal the joints between slabs to form a water-repellent seal and may be applied while the facing on Rocksilk® RainScreen Slab EE is wet.
When installed correctly, the Tape provides an effective seal between the slabs and prevents gaps during installation.

Standards and certification

Rocksilk® RainScreen Slab EE is approved to be used in situations where it bridges the DPCs of the inner and outer leaf.

Rocksilk® RainScreen Slab EE has a product declaration made in conformity with the requirements of BS EN 13162:2012+A1:2015 and are manufactured in accordance with ISO 50001:2018 Energy Management Systems, ISO 14001:2015+A1:2024 Environmental Management Systems, ISO 45001:2023+A1 Occupational Health and Safety Management Systems, and ISO 9001:2015+A1:2024 Quality Management Systems.

Rocksilk® RainScreen Slabs carry the CCPI mark, helping to provide assurance to product users that the product information for these products is clear, accurate, accessible, up-to-date and unambiguous. The CCPI is playing a pivotal role in driving up standards in product information as the construction industry adapts to a new and improved building safety regime.

Thermal Modelling

The U-value of a proprietary built element (rainscreen facade/ masonry cavity wall/garage soffit etc.) or system is dependent on the material properties and 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 6946:2017 or BS EN ISO 10211:2017 and using guidance from BR443:2019.

We offer simplified calculations to BS EN ISO 6946:2017 and where required numerically modelled U-value calculations using software that is 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

Rocksilk® RainScreen Slab EE is manufactured with a water-repellent additive meaning they will not transmit water to the external wall structure. The physical and chemical characteristics of the fibres are unaltered by wetting. Therefore, the thermal properties of Rocksilk® RainScreen Slab EE is not affected by exposure to moisture and the product will perform as expected once dry and undamaged.

Durability and Fitness for Use

Rocksilk® RainScreen Slab EE is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Rocksilk® RainScreen Slab EE

Sustainability

Rocksilk® RainScreen Slab EE is manufactured with ECOSE® Technology, our unique plant-based binder. It is low-carbon and generates low-VOCs, so it can be used to create better buildings - for occupiers, for installers and for the planet.

ECOSE® provides the proven sustainability performance the industry needs, backed up by extensive testing and certification.

ECOSE® is just one small element of our product proposition, but it makes a big difference.

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 Slab EE contains 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 14025:2023, ISO 21930:2017 and EN 15804+A2:2019.

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.

Our individual products and the pallets they sit on are wrapped in low-density polyethylene (LDPE4) plastic, which is made of 30-50% (depending on the supplier) recycled plastic content and is fully recyclable.

Handling and Storage

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

The polyethylene packs / shrink-wrapped pallets used for the supply of Rocksilk® RainScreen Slab EE 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 Slab EE should not be left permanently exposed to the elements.

If the main hood is removed or damaged, the remaining packs should be kept under cover indoors or protected from the elements by a weatherproof cover. In coastal locations where weather is more extreme and bird damage is more common, use additional covering or store indoors.

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

Rocksilk® RainScreen Slab EE 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 of slabs 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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