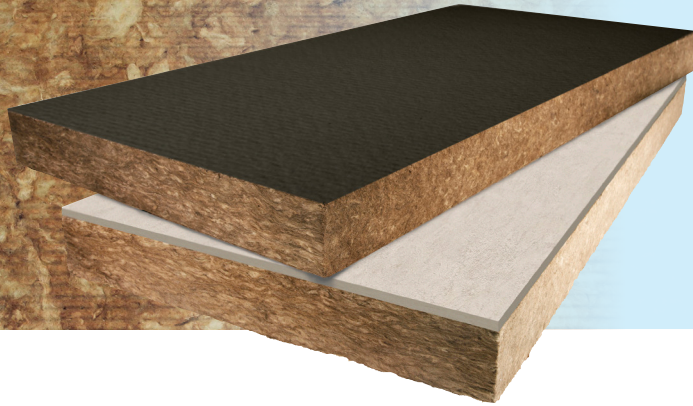


Rocksilk® Soffit
Linerboard Standard
(Faced)



Rocksilk® Soffit
Linerboard Extra



Rocksilk® Soffit
Linerboard Standard
(Unfaced)

PRODUCT DESCRIPTION

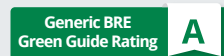
Rocksilk® Soffit Linerboard Standard and Extra are rock mineral wool slabs, designed to insulate structural soffits in applications such as car parks.

They are non-combustible with the best possible Euroclass A1 reaction to fire classification, and are manufactured using our unique bio-based binder, ECOSE® Technology.

BENEFITS

- Rocksilk® Soffit Linerboard Extra is impact-resistant due to its cementitious facing board, making it ideal for semi-exposed environments.
- Provide a solution to upgrade thermal performance of existing floors without reducing floor height.
- Can be installed without the need to access areas above the floor.
- Manufactured from mineral wool which provides the best levels of sound absorption and reduction compared to other mainstream insulants to reduce the sound transfer between storeys.
- Available with optional fixings which match the colour of Rocksilk® Soffit Linerboard Standard and Extra.

CERTIFICATIONS, ACCREDITATIONS AND INDUSTRY STANDARDS



APPLICATIONS



Structural soffit floors



NON-COMBUSTIBLE
INSULATION



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

GENERIC BRE GREEN GUIDE RATING

A+ A B C
D E

VAPOUR RESISTIVITY

5.00 MNs/g.m

VAPOUR RESISTIVITY - FIBRE CEMENT

FLAT SHEET

200 MNs/g.m

ROCKSILK® SOFFIT LINERBOARD EXTRA

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m²K/W)	Length (mm)	Width (mm)	Slabs per pallet	Area per pack (m²)	Pallet product code
220/6	0.034 / 0.24	6.45	1200	600	10	7.200	682465
185/6	0.034 / 0.24	5.45	1200	600	12	8.640	682466
160/6	0.034 / 0.24	4.70	1200	600	12	8.640	682455
130/6	0.034 / 0.24	3.80	1200	600	18	12.960	682453

ROCKSILK® SOFFIT LINERBOARD STANDARD (FACED)

220	0.034	6.45	1200	600	20	14.400	469973
185	0.034	5.40	1200	600	28	20.160	672812
160	0.034	4.70	1200	600	32	23.040	675216
130	0.034	3.80	1200	600	40	28.800	675217

ROCKSILK® SOFFIT LINERBOARD STANDARD (UNFACED)

75	0.034	2.20	1200	600	4	2.800	673084
50	0.034	1.45	1200	600	6	4.320	673083

All dimensions are nominal.

Bespoke Sizes

Rocksilk® Soffit Linerboards are available in bespoke dimensions to suit specific thermal and aesthetic requirements in thicknesses from 50 to 270mm.

Application

Rocksilk® Soffit Linerboards are used for the thermal and acoustic insulation of soffits in a wide range of both residential and non-residential buildings. Rocksilk® Soffit Linerboards are non-combustible with the best possible Euroclass A1 reaction to fire classification. Rocksilk® Soffit Linerboards are available in various facing materials. Rocksilk® Soffit Linerboard Standard is suitable for use as an insulated underlining solution in structural soffits such as underground car parks, while Rocksilk® Soffit Linerboard Extra is suitable for use as an insulated underlining solution in semi-exposed structural soffits such as open-sided car parks. Rocksilk® Soffit Linerboard Standard (unfaced) is used as a base layer when expanding the thickness of insulation needed.

Aesthetics

Rocksilk® Soffit Linerboards are available:

- With a black tissue facing
- With a fibre cement flat sheet (6mm)
- Unfaced for use as a base layer

Alternate facings are available as a bespoke product upon request and subject to a minimum order quantity.

Rocksilk® Soffit Linerboards are available with optional fixings which match the colour of Rocksilk® Soffit Linerboard Standard and Extra.

Standards and certification

The rock mineral wool element of Rocksilk® Soffit Linerboards has a product declaration made in conformity with the requirements of BS EN 13162 and is manufactured in accordance with ISO 50001 Energy Management Systems, ISO 14001 Environmental Management Systems, ISO 45001 Occupational Health and Safety Management Systems and ISO 9001 Quality Management Systems.

All of our mineral wool products are made of non-classified fibres and are 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 built element (rainscreen façade/ 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 or BS EN ISO 10211 and using guidance from BR443.

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

Durability

Rocksilk® Soffit Linerboards 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 wall structure in which they are incorporated.

Sustainability

Rocksilk® Soffit Linerboards are manufactured with ECOSE® Technology, our unique bio-based binder which contains no added formaldehyde or phenol. It is made from natural raw materials that are rapidly renewable and is 70% less energy-intensive to manufacture than traditional binders. Products made with ECOSE® Technology are soft to touch and easy to handle. They generate low levels of dust and VOCs and have been awarded the Eurofins Gold Certificate for Indoor Air Comfort.

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

Rocksilk® Soffit Linerboards 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.

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® Soffit Linerboards 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® Soffit Linerboards 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® Soffit Linerboards 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® Soffit Linerboards are light and easy to handle; care should be exercised to avoid crushing its 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.

Knauf Insulation Ltd

PO Box 10, Stafford Road, St.Helens, Merseyside, WA10 3NS UK **Customer Service:** 01744 766 766

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