

ROCKSILK® SOFFIT LINERBOARD STANDARD AND EXTRA

April 2022



APPLICATIONS



DESCRIPTION

Rocksilk® Soffit Linerboard Standard and Extra are Rock Mineral Wool slabs, designed to insulate structural soffits in applications such as underground car parks. They are non-combustible with the best possible Euroclass A1 reaction to fire classification, and are manufactured using Knauf Insulation's unique bio-based binder, ECOSE® Technology. Rocksilk® Soffit Linerboard Extra has a non-combustible facing board so it can be used in semi-exposed environments such as open-sided car parks.

PERFORMANCE

Thermal	Rock Mineral Wool - 0.034 W/mK
Thermal conductivity:	Fibre cement flat sheet - 0.24 W/mK
Fire	
Classification:	Euroclass A1 to BS EN 13501-1
Vapour resistivity	Rock Mineral Wool - 5.00 MNs/g.m
Water vapour resistivity:	Fibre cement flat sheet - 200 MNs/g.m

BENEFITS

- ✓ Available both unfaced and in a number of faced options
- ✓ Provides 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.
- ✓ Reduces sound transmission between floors.

SPECIFICATIONS

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m²K/W)	Length (mm)	Width (mm)	Pieces per pallet	Product code
Rocksilk® Soffit Linerboard Extra						
220/6	0.034 / 0.24	6.55	1200	600	10	682465
185/6	0.034 / 0.24	5.55	1200	600	12	682466
160/6	0.034 / 0.24	4.80	1200	600	12	682455
130/6	0.034 / 0.24	3.95	1200	600	18	682453
Rocksilk® Soffit Linerboard Standard						
220	0.034	6.45	1200	600	20	469973
185	0.034	5.40	1200	600	28	672812
160	0.034	4.70	1200	600	32	675216
130	0.034	3.80	1200	600	40	675217
Rocksilk® Soffit Linerboard Standard (unfaced)						
75	0.034	2.20	1200	600	4	673084
50	0.034	1.45	1200	600	6	673083

All dimensions are nominal

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

CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS



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ADDITIONAL INFORMATION

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 product will have a life equivalent to that of the structure in which it is incorporated.

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 A1 Euroclass reaction to fire classification, making them ideal for the underlining of car parks and garages. 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.

Aesthetics

Rocksilk® Soffit Linerboards are available with a variety of facings.

- Tough, puncture resistant black tissue facing
- 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.

Standards and Certification

The Rock Mineral Wool element of Rocksilk® Soffit Linerboards is manufactured in accordance with BS EN 13162, ISO 50001 Energy Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by TÜV Nord.

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. Evidence shows the absence of air gaps is crucial to achieving real performance in the relevant application.

Environmental

Rocksilk® Soffit Linerboards contains no ozone-depleting substances or greenhouse gases. For further environmental information consult the relevant Environmental Product Declaration, available on our website.

Handling and storage

Rocksilk® Soffit Linerboards are easy to handle and install, being lightweight and easily cut to size, where necessary. Rocksilk® Soffit Linerboards are supplied in recyclable polythene packs (4-LDPE) or loose on a hood wrapped pallet which 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.



ECOSE® Technology is our unique bio-based binder, that is used in the manufacture of all of our Glass Mineral Wool products and the majority of our Rock Mineral Wool products, to bind insulation strands together. ECOSE® Technology 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, so it is more environmentally-friendly. 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.

Knauf Insulation Ltd

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