

ROCKSILK® FLEXIBLE SLAB

November 2022



APPLICATIONS



DESCRIPTION

Rocksilk® Flexible Slab is a Rock Mineral Wool slab, designed for use in multiple thermal and acoustic applications as well as the fire protection of a loft conversion floor. It is non-combustible with the best possible Euroclass A1 reaction to fire classification, and is manufactured using Knauf Insulation's unique bio-based binder, ECOSE® Technology.

PERFORMANCE

Thermal

Thermal conductivity: 0.035 and 0.037 W/mK

Fire

Classification: Euroclass A1 to BS EN 13501-1

Vapour resistivity

Water vapour resistivity: 5.00 MNs/g.m

BENEFITS

- ✓ Multi-purpose product which can be used to insulate a wide range of applications on site.
- ✓ Flexible on all four sides for quick and simple installation.
- ✓ Tested to EN1365-2 as part of a fire resistant floor.

SPECIFICATIONS

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m²K/W)	Length (mm)	Width (mm)	Pieces per pack	Area per pack (m²)	Packs per pallet	Product code
140	0.035	4.00	1200	600	3	2.16	12	2411335
100	0.037	2.70	1200	600	6	4.32	12	457994
90	0.037	2.40	1200	600	6	4.32	12	457997
70	0.037	1.85	1200	600	8	5.76	12	2411408
60	0.037	1.60	1200	600	10	7.20	12	457996
50	0.037	1.35	1200	600	12	8.64	12	457995
40	0.037	1.05	1200	600	14	10.08	12	531594

All dimensions are nominal

CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS



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ADDITIONAL INFORMATION

Durability

Rocksilk® Flexible 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.

Application

Rocksilk® Flexible Slab is typically used for the thermal and acoustic insulation of a wide variety of constructions such as timber and metal stud partitions, timber frame walls and suspended timber floors. 100mm Rocksilk® Flexible Slab has been tested to provide up to 60 minutes fire protection when a floor is upgraded to a fire resistant floor in line with Approved Document B, for example when a unused loft is converted into habitable accommodation during a loft conversion.

Standards and Certification

Rocksilk® Flexible Slab 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. Rocksilk® Flexible Slab has been tested to EN1365-2 to provide up to 60 minutes fire protection to a fire resistant floor.

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® Flexible Slab 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® Flexible Slab is easy to handle and install, being lightweight and easily cut to size, where necessary. Rocksilk® RainScreen Slab is supplied in recyclable polythene packs (4-LDPE) 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® Flexible Slab 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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create.
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