



PRODUCT DESCRIPTION

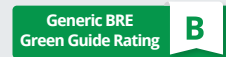
Rocksilk® Acoustic Floor Slab and Rocksilk® Acoustic Floor Slab Plus are rock mineral wool slabs, designed to meet the acoustic requirements for use in separating floors.

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® Acoustic Floor Slab Plus is suitable for applications where higher load-bearing is required.
- Suitable for use with a range of constructions registered in the Robust Details Handbook eliminating the need for on-site acoustic testing.
- Engineered to adapt to minor imperfections in the substrates.
- 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.

CERTIFICATION, ACCREDITATIONS AND INDUSTRY STANDARDS



APPLICATIONS



Separating floors



NON-COMBUSTIBLE
INSULATION



PERFORMANCE

FIRE CLASSIFICATION

A1	A2 s1, d0	B	C
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D	E	F
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Euroclass reaction to fire classification

GENERIC BRE GREEN GUIDE RATING

A+	A	B	C
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D	E
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VAPOUR RESISTIVITY

5.00 MNs/g.m

ROCKSILK® ACOUSTIC FLOOR SLAB

Thickness (mm)	Length (mm)	Width (mm)	Pieces per pack	Area per pack (m ²)	Packs per pallet	Pallet product code
25	1000	600	12	7.200	16	606070

ROCKSILK® ACOUSTIC FLOOR SLAB PLUS

Thickness (mm)	Length (mm)	Width (mm)	Pieces per pack	Area per pack (m ²)	Packs per pallet	Pallet product code
50	1000	600	4	2.400	24	606068
25	1000	600	8	4.800	24	606069

All dimensions are nominal.

Application

Rocksilk® Acoustic Floor Slab is designed for use as a resilient layer in the acoustic insulation of separating floors and meets the requirement in Approved Document E (England and Wales) for a resilient layer under a floating platform. That is, a mineral wool insulation product of 25mm thick and with a nominal density between 60 and 140 kg/m³.

Rocksilk® Acoustic Floor Slab Plus is designed for use as the resilient layer in a Floating Floor Treatment (FFT) and meets the specification requirements in accordance with Robust Details Ltd.

Rocksilk® Acoustic Floor Slabs are non-combustible with the best possible Euroclass A1 Reaction to fire classification.

Standards and certification

Rocksilk® Acoustic Floor Slabs have a product declaration made in conformity with the requirements of BS EN 13162 and are 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 EUCEB. EUCEB (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.

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 Ltd

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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® Acoustic Floor Slabs 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 structures in which they are incorporated. Acoustic floor slabs are non-wicking when tested in accordance with BS 2972:1989 Section 12.

Sustainability

Rocksilk® Acoustic Floor Slabs 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.

All our unfaced rock mineral wool products made with ECOSE® Technology have been awarded the DECLARE 'Red List Free' label. The Declare label is a third-party accreditation and is similar to a food nutrition label but for building products; it is a straightforward ingredient list and allows product transparency disclosure because it identifies where a product comes from and what it is made of.

Declare 'Red List Free' certifies that there is no harmful chemical from the red list in these products.

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

Rocksilk® Acoustic Floor Slabs 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® Acoustic Floor Slabs 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® Acoustic Floor Slabs are designed for short-term protection only. For longer term protection on site, the products should either be stored indoors or under cover and off the ground. Rocksilk® Acoustic Floor Slabs 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 products must be protected from prolonged exposure to sunlight, and stored dry and flat.

Rocksilk® Acoustic Floor Slabs are light and easy to handle; care should be exercised to avoid crushing their edges or corners. If damaged, the products should be discarded. Damaged, contaminated or wet products must not be used.