

ROCKSILK® ACOUSTIC FLOOR SLABS

June 2021



APPLICATIONS



DESCRIPTION

Rocksilk® Acoustic Floor Slab and Acoustic Floor Slab Plus are Rock Mineral Wool slabs, designed to meet the acoustic requirements for use in floating floors. 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.

PERFORMANCE

Fire

Classification: Euroclass A1 to BS EN 13501-1

Vapour resistivity

Water vapour resistivity: 5.00 MNs/g.m

BENEFITS

- ✓ Suitable for use with a range of constructions registered in the Robust Details Handbook eliminating the need for on-site acoustic testing.
- ✓ Significantly reduces the amount of sound transferred between storeys.
- ✓ Slabs are engineered to adapt to minor imperfections in the substrates.

SPECIFICATIONS

| Thickness (mm) | Length (mm) | Width (mm) | Pieces per pack | Area per pack (m ²) | Packs per pallet | Product code |
|---|-------------|------------|-----------------|---------------------------------|------------------|--------------|
| Rocksilk® Acoustic Floor Slab | | | | | | |
| 25 | 1000 | 600 | 12 | 7.20 | 16 | 606070 |
| Rocksilk® Acoustic Floor Slab Plus | | | | | | |
| 50 | 1000 | 600 | 4 | 2.40 | 24 | 606068 |
| 25 | 1000 | 600 | 8 | 4.80 | 24 | 606069 |

All dimensions are nominal

CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS



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ADDITIONAL INFORMATION

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

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 - mineral wool, 25mm thick, 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.

Standards and Certification

Rocksilk® Acoustic Floor Slabs are 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® Acoustic Floor Slabs contain 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® Acoustic Floor Slabs are easy to handle and install, being lightweight and easily cut to size, where necessary. Rocksilk® Acoustic Floor Slabs are 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® Acoustic Floor Slabs 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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