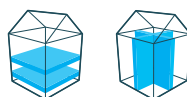


ACOUSTIC ROLL

June 2022

APPLICATIONS



DESCRIPTION

Knauf Insulation Acoustic Roll is a Glass Mineral Wool roll, designed for use in internal wall and floor applications, to offer sound absorption and noise reduction properties. 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

Fire

Classification: Euroclass A1 to BS EN 13501-1

Vapour resistivity

Water vapour resistivity: 5.00 MNs/g.m

BENEFITS

- ✓ Proven test results with all major brands of plasterboard to provide assured compliance with sound related building regulations.
- ✓ Manufactured density in excess of 10kg/m³ meeting the requirements outlined within relevant sound related building regulations.
- ✓ Rolls are designed to fit between studs to close joints, reducing the potential for unwanted gaps and ensuring high levels of sound insulation.
- ✓ Long roll lengths that are ready-cut allow for quick and easy installation.

SPECIFICATIONS

Thickness (mm)	Length (m)	Width (mm)	Rolls per pack	Area per pack (m ²)	Packs per pallet	Product code
100	10.300	600	2	12.360	24	715843
100	10.300	400	3	12.360	24	715842
75	14.500	600	2	17.400	24	715841
63	15.000	600	2	18.000	24	603550
50	13.500	600	2	16.200	24	715837
25	11.100	600	4	26.640	24	715838

All dimensions are nominal

CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS



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ADDITIONAL INFORMATION

Durability

Acoustic Roll is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Application

Acoustic Roll is specifically designed for friction fitting between joists and studs at 400mm and 600mm centres to improve the sound insulation of:

- separating walls and floors
- internal walls and floors
- timber and metal stud partitions

Acoustic Roll is also designed for friction fitting between resilient timber battens and timber studs in Robust Detail separating floors and walls.

Acoustic Roll provides a high level of sound absorption, whilst also improving the thermal and fire performance of the wall, floor or partition.

Using Glass Mineral Wool as a sound absorbent layer in partitions and floors significantly improves their acoustic performance. In internal walls Glass Mineral Wool complements plasterboard linings by absorbing airborne sound, and reducing reverberation, and is particularly effective at preventing the hollow sound that can occur in partitions with unfilled cavities.

Standards and certification

Acoustic Roll 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.

All our Glass Mineral Wool products have been awarded the DECLARE 'Red List Free' label. This allows product transparency disclosure that identifies where a product comes from, what it's made of, and where it goes at the end of its life. Having the 'Red List Free' label means that there are no ingredients in the product that are on the red list - including formaldehyde or phenol.

Environmental

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

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.

Handling and storage

Acoustic Roll is easy to handle and install, being lightweight and easily cut to size, where necessary. It is supplied in polythene packs (4-LDPE) which are designed for short term protection only. For longer term protection on site, the product should be stored either indoors, or under cover and off the ground. Acoustic Roll 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

PO Box 10, Stafford Road, St.Helens,
Merseyside, WA10 3NS. UK

Customer Service: 01744 766 766

Technical Support Team: 01744 766 666

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challenge.
create.
care.