

Acoustic Partition Roll

For the acoustic insulation of partitions and internal walls.

Description

Acoustic Partition Roll is a flexible, resilient, unfaced roll of glass mineral wool. It is supplied in dimensions to suit studs at standard 600mm centres.

Application

Acoustic Partition Roll is designed specifically for the sound insulation of metal and timber stud partitions.

Using mineral wool as a sound absorbent layer in partitions will significantly improve their acoustic performance, whilst only adding minimally to the overall mass of the structure.

The mineral wool complements the plasterboard by absorbing airborne sound in the cavity and reducing reverberation. It also has the effect of reducing the hollow sound that can occur in partitions with unfilled cavities.

Metal stud partitions faced with standard 12.5mm plasterboard and infilled with Acoustic Partition Roll can meet the requirement for a 40 R_w dB sound reduction in accordance with Approved Document E of the Building Regulations

Standards

Acoustic Partition Roll is a noncombustible, inorganic glass wool, defined as mineral wool in BS 3533: 1981 and is manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001: 2000

Durability

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

Vapour Resistivity

Acoustic Partition Roll has a vapour resistivity of 7.00 MN.s.g.m.

Environmental

ECOSE® Technology



Knauf Insulation mineral wool products with **ECOSE® Technology** benefit from a natural, formaldehyde-free binder made from rapidly renewable organic materials, instead of petroleum-based chemicals, which is up to 70% less energy intensive.

The technology has been developed for Knauf Insulation's glass and rock mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE® Technology contain no dye or artificial colours – the colour is completely natural.

Acoustic Partition Roll is free from CFCs, HCFCs and any other material with ozone depletion potential in its manufacture and content and represents no known threat to the environment.

Acoustic Partition Roll's manufacture has a low impact on the environment and is classified as Zero ODP and Zero GWP.

Handling and Storage

Acoustic Partition Roll is easy to handle and install, being lightweight and easily cut to size. It is supplied enclosed in polythene which is 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. Installation instructions are on every pack.



Performance

Fire Performance

Acoustic Partition Roll is classified as Euroclass A1 to BS EN ISO 13501-1.

Acoustic performance

Acoustic Partition Roll has exceptional acoustic absorption properties and is used to improve the sound insulation performance of partition walls.

Benefits

- Excellent sound absorption
- Dimensioned to suit 600mm stud centres
- Quick, economic installation
- Can be used with standard plasterboard to achieve a sound reduction of 40 R_w dB
- Friction fits between studs, ensuring continuity of the absorbent layer with no gaps

Downloads

- [Product Datasheet](#)
- [COSHH Material Safety Datasheet](#)

Website Options

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Related Applications

Ducts & Tanks

• Ducts - Acoustic

International

www.knaufinsulation.com
www.knauf.com
www.knauf.co.uk

Acoustic Partition Roll should not be left permanently exposed to the elements.

Product Data

Thickness (mm)	Length (m)	Width (mm)	Area per Pack (m ²)
100	6.50	2 x 600	7.80
75	7.00	2 x 600	8.40
50	13.00	2 x 600	15.60
25	20.00	2 x 600	24.00

All dimensions are nominal