



May 2009

Acoustic Partition Roll

For metal and timber stud partitions

Description

Acoustic Partition Roll is a flexible, resilient, 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 Rw dB sound reduction in accordance with Approved Document E of the Building Regulations.

Performance

Acoustic

Acoustic Partition Roll has exceptional acoustic absorption properties.

Fire

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

Benefits

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

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Standards

Acoustic Partition Roll is non-combustible glass mineral 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.

Environmental

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.**

Vapour resistance - resistivity

Acoustic Partition Roll offers negligible resistance to the passage of water vapour and has a vapour resistivity of 7.00 MN.s.g.m.

Handling and storage

Acoustic Partition Roll is easy to handle and install, being lightweight and easily cut to size, where necessary. 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. Acoustic Partition Roll should not be left permanently exposed to the elements.

Thickness (mm)	Length (m)	Width (mm)	Area per pack (m ²)
100	6.50	2x600	7.80
75	7.00	2x600	8.40
50	13.00	2x600	15.60
25	10.00	4x600	24.00

All dimensions are nominal

Knauf Insulation mineral wool products with ECOSE® Technology benefit from a formaldehyde-free binder made from rapidly renewable bio-based 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.

Knauf Insulation Ltd

PO Box 10
 Stafford Road
 St Helens
 Merseyside
 WA10 3NS

Customer Service (sales)

Tel: 0844 800 0135

Technical Advisory Centre

Tel: 01744 766 666

Literature

Tel: 08700 668 660

www.knaufinsulation.co.uk