



June 2011

Acoustic Partition Roll

For metal and timber 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.

Thickness	Width	Length	Area per pack	Rolls per pack
(mm)	(mm)	(mm)	(m ²)	
25	4x600	10000	24.00	4
50	2x600	13000	15.60	2
75	2x600	7000	8.40	2
100	2x600	6500	7.80	2

Note: Other thicknesses are available but subject to availability and request.

Performance

Acoustic

Acoustic Partition Roll has exceptional sound absorption properties.

Fire performance

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

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 Rw dB
- Friction fits between layer studs, ensuring continuity of the absorbent layer with no gaps

Acoustic Partition Roll

Application

Acoustic Partition Roll is designed specifically for the sound insulation of metal and timber stud partitions. Using glass 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. Glass 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 achieve a sound reduction of 40 Rw dB.

Standards

Acoustic Partition Roll is non-combustible, inorganic glass wool, defined as mineral wool in EN ISO 9229 and is manufactured in accordance with Quality Assurance Standard BS EN ISO 9001.

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 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.

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.**

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 inside, or under cover and off the ground. Acoustic Partition Roll should not be left permanently exposed to the elements.

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 and 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.

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