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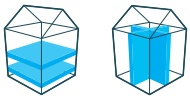
EARTHWOOL ACOUSTIC ROLL

March 2018

APPLICATIONS



DESCRIPTION

Designed specifically for sound insulation of residential building elements such as Robust Detail walls and floors, separating floors and walls, internal floors and walls as well as commercial metal stud partitions where compliance with acoustic regulations is required. Earthwool Acoustic Rolls are 1200mm wide and ready-cut to produce three, 400mm wide rolls, or two, 600mm wide rolls and manufactured to a minimum density of 10Kg/m^3.

PERFORMANCE

Fire

Classification:	EUROCLASS A1 to BS EN 13501-1

BENEFITS

- Excellent sound absorption properties
- Euroclass A1 non-combustible
- Lightweight roll for ease of handling
- Ready-cut rolls for use with:
  -timber studs at 400mm centres or,
  -timber studs at 600mm centres
- Long roll lengths for quick installation
- Friction fits between studs and closes joints to ensure sound insulation performance is achieved

SPECIFICATIONS

Thickness (mm)	Length (m)	Width (mm)	Rolls per pack	Area per pack (m^2)
100	9.17	600	2	11.00
100	9.17	400	3	11.00
75	12.50	600	2	15.00
50	13.00	600	2	15.60
25	10.00	600	4	24.00

All dimensions are nominal

CERTIFICATION

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ADDITIONAL INFORMATION

Durability

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

Application

Earthwool 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

Earthwool Acoustic Roll is also designed for friction fitting between resilient timber battens and timber studs in Robust Detail separating floors and walls.
Earthwool 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, whilst only adding minimally to the overall mass of the structure. In partitions glass mineral wool complements the plasterboard linings by absorbing airborne sound in the cavity and reducing reverberation, it is particularly effective at preventing the hollow sound that can occur in partitions with unfilled cavities.

Standards

Earthwool Acoustic Roll is manufactured in accordance with BS EN 13162, EN 50001 Energy Management Systems, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by Bureau Veritas.

Environmental

Earthwool Acoustic Roll represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

Handling and storage

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

with ECOSE® TECHNOLOGY

Knauf Insulation mineral wool products made with ECOSE Technology® benefit from a no added formaldehyde binder, which is up to 70% less energy intensive than traditional binders and is made from rapidly renewable bio-based materials instead of petroleum-based chemicals. 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.

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