



May 2013

Earthwool® Loft Roll 44

For pitched roofs at ceiling level and suspended timber floors

Description

Earthwool Loft Roll 44 is a flexible low density glass mineral wool quilt which is lightweight, resilient and non-combustible. The rolls are 1140mm wide and partially perforated to produce either 2 rolls 570mm wide or 3 rolls 380mm wide.

Application

Earthwool Loft Roll 44 is primarily used for the thermal insulation of pitched roofs at ceiling level, it can also be used to thermally insulate floors. When used at ceiling level it is usually laid in two layers, with the first layer between the joists and the second layer over, and at right angles to the joists.

Standards

Earthwool Loft Roll 44 is manufactured in accordance with BS EN 13162, EN 16001 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.

Performance

Thermal

Earthwool Loft Roll 44 has a thermal conductivity of 0.044W/mK.

Fire

Earthwool Loft Roll 44 is classified as Euroclass A1 to BS EN 13501-1.

Benefits

- Lightweight and economic insulation quilt
- Produced for use with timber joists at 400mm and 600mm centres
- Partially cut perforations
- Provides thermal, acoustic and fire performance

Earthwool® Loft Roll 44

Durability

Earthwool Loft Roll 44 is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Vapour resistivity

Earthwool Loft Roll 44 offers negligible resistance to the passage of water vapour and has a vapour resistivity of 5.00MNs/g.m.

Environmental

Earthwool Loft Roll 44 represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

Handling and storage

Earthwool Loft Roll 44 is easy to handle and install, being lightweight and easily cut to size, where necessary. It is supplied in polythene packs 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. Earthwool Loft Roll 44 should not be left permanently exposed to the elements.

Knauf Insulation mineral wool products made with ECOSE® Technology benefit from a formaldehyde-free 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 – the colour is completely natural.

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Length (m)	Width (mm)	Area per pack (m ²)
Earthwool Loft Roll 44 (Combi-cut)					
200	0.044	4.50	5.20	1140/2x570/3x380	5.93
170	0.044	3.85	7.03	1140/2x570/3x380	8.01
150	0.044	3.40	8.05	1140/2x570/3x380	9.18
100	0.044	2.25	12.18	1140/2x570/3x380	13.89
Earthwool Loft Roll 44 (Combi-cut) Shorter Lengths					
200	0.044	4.50	3.40	1140/2x570/3x380	3.88
170	0.044	3.85	4.30	1140/2x570/3x380	4.90
100	0.044	2.25	7.28	1140/2x570/3x380	8.30
Earthwool Loft Roll 44 (Ready-cut)					
150	0.044	3.40	8.05	2x570	9.18
150	0.044	3.40	8.05	3x380	9.18
100	0.044	2.25	12.18	2x570	13.89
100	0.044	2.25	12.18	3x380	13.89

All dimensions are nominal

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