

EARTHWOOL LOFT ROLL 44

March 2018



APPLICATIONS



DESCRIPTION

Earthwool Loft Roll 44 is available in a range of thicknesses with a thermal conductivity of 0.044 W/mK.

Combi-cut products have partially cut perforations, providing the flexibility to be used between joists at either 400mm or 600mm centres, or used unsplit as a full-width roll.

Ready-cut products are fully cut, and are designed to be used between joists at 600mm centres.

PERFORMANCE

Thermal

Thermal conductivity: 0.044 W/mK

Fire

Classification: EUROCLASS A1 to BS EN 13501-1.

Vapour resistivity

Water vapour resistivity: 5.00MNs/g.m.

BENEFITS

- ✓ Euroclass A1 non-combustible
- ✓ Lightweight quilt for ease of installation
- ✓ Available as:
 - Partially cut rolls for use with:
 - timber joists at 400mm centres or,
 - timber joists at 600mm centres or,
 - unsplit as a full width roll.
- ✓ Partially cut, shorter length rolls
- ✓ Ready cut rolls for use between joists at 600mm centres

SPECIFICATIONS

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
150	0.044	3.40	4.90	1140 (2x570/3x380)	5.59
100	0.044	2.25	7.28	1140 (2x570/3x380)	8.30

All dimensions are nominal

CERTIFICATION



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SPECIFICATIONS

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 (Ready-cut)					
150	0.044	3.40	8.05	2x570	9.18
100	0.044	2.25	12.18	2x570	13.89

All dimensions are nominal

ADDITIONAL INFORMATION

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.

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

Vapour resistivity

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

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 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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