

## EARTHWOOL LOFT ROLL 44

June 2019



### 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 <sup>2</sup> K/W)	Length (m)	Width (mm)	Area per pack (m <sup>2</sup> )
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 <sup>2</sup> K/W)	Length (m)	Width (mm)	Area per pack (m <sup>2</sup> )
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 used for the thermal insulation of pitched roofs 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 factories that are certified by Bureau Veritas to the following management system standards: EN 50001 Energy Management Systems, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems. These factories also produce materials compliant with the European product standard for insulation materials EN 13162.

#### Environmental

Earthwool Loft Roll 44 contains no ozone-depleting substances or greenhouse gases\*.

For further environmental information consult the relevant Environmental Product Declaration, available on our website.

\*as specified in the Kyoto Protocol of the United Nations Framework Convention on Climate Change; Annex I & II of Regulation (EU) 517/2014; Annex I & II of Regulation (EC) No 1005/2009.

#### 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.

#### Knauf Insulation Ltd

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