



May 2013

## Earthwool® Loft Roll 270mm

### For lofts

#### Description

Earthwool Loft Roll 270mm is a flexible low density glass mineral wool quilt which is lightweight, flexible, resilient and non-combustible. The roll is 1200mm wide and fully cut to produce either 2 rolls at 600mm wide or 3 rolls at 400mm wide.

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> )
<b>Earthwool Loft Roll 270mm (Ready-cut)</b>					
270	0.044	6.10	3.85	2x600	4.62
270	0.044	6.10	3.85	3x400	4.62

All dimensions are nominal

#### Performance

##### Thermal

Earthwool Loft Roll 270mm has a thermal conductivity of 0.044W/mK.

##### Fire

Earthwool Loft Roll 270mm is classified as Euroclass A1 to BS EN 13501-1.

#### Benefits

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

## Earthwool® Loft Roll 270mm

### Application

Earthwool Loft Roll 270mm is an ultra thick product intended to be used as a single layer loft solution eliminating the requirement for cross-layering to achieve a U-value of 0.16W/m<sup>2</sup>K, when insulating pitched roofs at ceiling level.

### Standards

Earthwool Loft Roll 270mm 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.

### Durability

Earthwool Loft Roll 270mm 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 270mm offers negligible resistance to the passage of water vapour and has a water vapour resistivity of 5.00MN/g.m.

### Environmental

Earthwool Loft Roll 270mm represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

### Handling and storage

Earthwool Loft Roll 270mm is easy to handle and install, being lightweight and easily cut to size, where necessary. It is supplied in polythene packs 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. Installation instructions are on every pack. Earthwool Loft Roll 270mm 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.

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