



March 2010

## 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 rolls are 1200mm wide and fully cut to produce either 2 rolls 600mm wide or 3 rolls 400mm wide.

#### 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  $0.16W/m^2K$ , when insulating pitched roofs at ceiling level.

#### Standards

Earthwool Loft Roll 270mm is non-combustible glass mineral wool, defined as mineral wool in BS 3533: 1981 and is manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001: 2000 and Product Standard EN 13162.

### 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 ISO 13501-1.

### Benefits

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

## Earthwool® Loft Roll 270mm

### 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 resistance - resistivity

Earthwool Loft Roll 270mm offers negligible resistance to the passage of water vapour and have a vapour resistivity of 7.00MN<sub>s</sub>/g.m.

### Environmental

Earthwool Loft Roll 270mm is free from CFCs, HCFCs and any other material with ozone depletion potential in its manufacture and content and represents no known threat to the environment. **Earthwool Loft Roll 270mm's manufacture has a low impact on the environment and is classified as Zero ODP and Zero GWP.**

### 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.

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*

Knauf Insulation mineral wool products with ECOSE® Technology benefit from a formaldehyde-free binder made from rapidly renewable bio-based materials instead of petroleum-based chemicals which is up to 70% less energy intensive. 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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