



February 2016

## Earthwool® Rafter Roll

### For pitched roofs at rafter level

#### Description

Earthwool Rafter Roll is a semi-rigid roll of glass mineral wool which is lightweight, flexible, resilient and non-combustible with extra high thermal performance, it is designed for friction fitting between rafters.

#### Application

Earthwool Rafter Roll is designed for insulating between the rafters of pitched roofs in new and existing buildings. It is easy to cut and friction fit, and can be used either as a single or double layer between rafters, or as the first layer of a two layer system in combination with a thermal laminate board.

#### Standards

Earthwool Rafter Roll is manufactured in accordance with BS EN 13162, ISO 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.

#### Performance

##### Thermal

Earthwool Rafter Roll has a thermal conductivity of 0.036 or 0.032W/mK.

##### Fire

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

##### Acoustics

Earthwool Rafter Roll has excellent sound absorption characteristics.

#### Benefits

- Very high thermal performance
- Provides thermal and acoustic performance
- Quick and easy to install
- Friction fitting allows rafter spacing to be completely filled, thus eliminating air gaps
- Long roll lengths

## Earthwool® Rafter Roll

### Durability

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

### Vapour resistivity

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

### Environmental

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

### Handling and storage

Earthwool Rafter Roll 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 either be stored indoors, or under cover and off the ground. Earthwool Rafter Roll 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> )
200	0.036	5.55	3.30	1200	3.96
100	0.032	3.10	4.00	1200	4.80
75	0.032	2.30	5.25	1200	6.30

*All dimensions are nominal*

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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