



March 2010

Earthwool® Room-in-Roof Roll 32/37

For pitched roofs at rafter level

Description

Earthwool Room-in-Roof Roll 32/37 is a premium solution intended for the insulation of pitched roofs at rafter level and provides thermal and acoustic insulation combined with unbeatable Euroclass A1 fire performance. The foil facing on Earthwool Room-in-Roof Roll 32/37 is wider than the insulation enabling it to be stapled to the rafters to create a vapour control layer (vcl).

Application

Earthwool Room-in-Roof Roll 32/37 is used for insulating between the rafters of pitched roofs in both new build and existing buildings. It is easy to cut and friction fit between rafters.

Performance

Thermal

Earthwool Room-in-Roof Roll 32/37 has a thermal conductivity of 0.032 or 0.037W/mK

Fire

Earthwool Room-in-Roof Roll 32/37 is classified as Euroclass A1 to BS EN ISO 13501-1.

Acoustics

Earthwool Room-in-Roof Roll 32/37 has excellent sound absorption characteristics.

Benefits

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

Earthwool® Room-in-Roof Roll 32/37

Standards

The glass mineral wool content of Earthwool Room-in-Roof Roll 32/37 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.

Durability

Earthwool Room-in-Roof Roll 32/37 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 Room-in-Roof Roll 32/37 is foil-faced with a flange at each side of the roll, when the flange is stapled to the rafters it provides a vapour control layer (vcl).

Environmental

Earthwool Room-in-Roof Roll 32/37 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 Room-in-Roof Roll 32/37's manufacture has a very low impact on the environment and is classified as Zero ODP and Zero GWP.**

Handling and storage

Earthwool Room-in-Roof Roll 32/37 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. Installation instructions are on every pack. Earthwool Room-in-Roof Roll 32/37 should not be left permanently exposed to the elements.

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Length (m)	Width (mm)	Area per pack (m ²)
Earthwool Room-in-Roof Roll 32/37 37					
200	0.037	5.40	2.70	2x580	3.13
160	0.037	4.30	4.60	2x580	5.34
100	0.037	2.70	7.25	2x580	8.41
Earthwool Room-in-Roof Roll 32/37 32					
100	0.032	3.10	3.60	2x580	4.18

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.

Knauf Insulation Ltd

PO Box 10
Stafford Road
St Helens
Merseyside
WA10 3NS

Customer Service (sales)

Tel: 0844 800 0135

Technical Advisory Centre

Tel: 01744 766 666

Literature

Tel: 08700 668 660

www.knaufinsulation.co.uk