



Knauf Insulation EkoRoll

For pitched roofs at ceiling level and suspended timber floors

Description

Knauf Insulation EkoRoll is a flexible low density glass mineral wool quilt which is lightweight, resilient and non-combustible. The rolls are 1140mm wide and partially perforated to produce either two rolls 570mm wide or three rolls 380mm wide.

Application

Knauf Insulation EkoRoll is primarily used for the thermal insulation of pitched roofs at ceiling level, it can also be used to thermally insulate suspended timber floors. When used 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

Knauf Insulation EkoRoll 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.



Move Forward with Confidence

Performance

Thermal

Knauf Insulation EkoRoll has a thermal conductivity of 0.044W/mK.

Fire

Knauf Insulation EkoRoll is classified as Euroclass A1 to BS EN 13501-1.

Benefits

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

Durability

Knauf Insulation EkoRoll is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Vapour resistivity

Knauf Insulation EkoRoll offers negligible resistance to the passage of water vapour and has a water vapour resistivity of 5.00MN/g.m.

Environmental

Knauf Insulation EkoRoll presents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

Handling and storage

Knauf Insulation EkoRoll 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. Knauf Insulation EkoRoll 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)
Knauf Insulation EkoRoll					
200	0.044	4.50	4.83	1140	5.50
170	0.044	3.85	5.68	1140	6.47
100	0.044	2.25	7.28	1140	8.30

All dimensions are nominal



with **ECOSE**[®] TECHNOLOGY

Knauf Insulation mineral wool products with ECOSE[®] Technology benefit from a formaldehyde-free binder made from rapidly renewable bio-based materials instead of petro-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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