KNAUFINSULATION

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EARTHWOOL RAFTER ROLL

March 2018

APPLICATIONS

DESCRIPTION

Designed for installation between rafters in warm roofs and loft conversions, Earthwool Rafter Roll is 'friction fitted' between rafters. Using Rafter Roll will significantly enhance the acoustic performance of the roof which is of particular importance in attached and terraced dwellings where only mineral wool can provide very high levels of combined thermal and acoustic performance.

PERFORMANCE

Thermal

Thermal conductivity:	0.036 W/mK and 0.032W/mK

Fire

Classification:	EUROCLASS A1 to BS EN 13501-1

Vapour resistivity

Water vapour resistivity:	5.00MNs/g.m

BENEFITS

- Euroclass A1 non-combustible
- For warm roofs and loft conversions
- Very high thermal performance
- Enhances the acoustic performance of the roof
- Quick and easy to install
- Friction fitting elimantes air gaps
- Long roll lengths for quick installation

SPECIFICATIONS

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m^2K/W)	Length (m)	Width (mm)	Area per pack (m^2)
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

CERTIFICATION

challenge. create. care.

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ADDITIONAL INFORMATION

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.

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.

Environmental

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

Vapour resistivity

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

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.

with ECOSE® TECHNOLOGY

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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