

RAFTER ROLL 32

October 2021



APPLICATIONS



DESCRIPTION

Knauf Insulation Rafter Roll 32 is a Glass Mineral Wool roll, designed for use in warm roofs where the roof is insulated at rafter level, that offers excellent thermal performance. It is non-combustible with the best possible Euroclass A1 reaction to fire classification, and is manufactured using Knauf Insulation's unique bio-based binder, ECOSE® Technology.

BENEFITS

- ✓ High levels of sound absorption and reduction characteristics reduce unwanted external noise such as traffic or drumming from rainfall on the roof.
- ✓ Very high thermal performance
- ✓ Quick and easy to install
- ✓ Friction fitting allows rafter spacing to be completely filled, thus eliminating air gaps
- ✓ Long roll lengths

PERFORMANCE

Thermal

R-value: 2.24 to 5.34 m²K/W



Fire

Classification: Euroclass A1 to BS EN 13501-1.

Vapour resistivity

Water vapour resistivity: 5.00 MNs/g.m.

SPECIFICATIONS

Thickness (mm)	Thermal conductivity (W/mK)	R-value (m ² K/W)		R-value (m ² K/W)		Length (m)	Width (mm)	Area per pack (m ²)	NRC	Product code
100	0.032	2.97		3.10		4.00	1200	4.80	1.00	2402020
75	0.032	2.24		2.30		5.25	1200	6.30	0.90	2441269

All dimensions are nominal



South African R-values calculated assuming 23°C mean temperature.



Euro R-values based on 10°C mean temperature, calculated according to requirements of λ90:90 for declaring thermal performance and following the European norm standard including audited factory production control.

CERTIFICATION



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ADDITIONAL INFORMATION

Durability

Rafter Roll 32 is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Application

Rafter Roll 32 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

Rafter Roll 32 is manufactured in accordance with BS EN 13162, ISO 50001 Energy Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management systems, as certified by TÜV Nord. All our Glass Mineral Wool products have been awarded the DECLARE 'Red List Free' label. Having the 'Red List Free' label means that there are no ingredients in the product that are on the red list - including formaldehyde or phenol.

Environmental

Rafter Roll 32 contains no ozone-depleting substances or greenhouse gases. For further environmental information consult the relevant Environmental Product Declaration, available on our website.

Real Performance

Glass and Rock Mineral Wool are easier to install correctly than other insulants such as rigid boards because they adapt to any slight imperfections in the substrate and knit together, eliminating any air gaps. Evidence shows the absence of air gaps is crucial to achieving real performance in the relevant application.

Handling and storage

Rafter Roll 32 is easy to handle and install, being lightweight and easily cut to size, where necessary. It is supplied in polythene packs (4-LDPE) 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. Rafter Roll 32 should not be left permanently exposed to the elements.



ECOSE® Technology is our unique bio-based binder, that is used in the manufacture of all of our Glass Mineral Wool products and the majority of our Rock Mineral Wool products, to bind insulation strands together. ECOSE® Technology contains no added formaldehyde or phenol. It is made from natural raw materials that are rapidly renewable and is 70% less energy-intensive to manufacture than traditional binders, so it is more environmentally-friendly. Products made with ECOSE® Technology are soft to touch and easy to handle. They generate low levels of dust and VOCs and have been awarded the Eurofins Gold Certificate for Indoor Air Comfort.

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challenge.
create.
care.