

CEILING ROLL (LOFT ROLL)

May 2018



APPLICATIONS



DESCRIPTION

Non-combustible 1200mm wide Ceiling Roll offers the installer the option to cut to desired widths. Compression packing allows significantly more material per unit than competing products.

PERFORMANCE

Thermal

R-value: 1.25 to 3.38 m²K/W

Fire**

Classification: EUROCLASS A1 to BS EN 13501-1.

Vapour resistivity

Water vapour resistivity: 5.00MNs/g.m.

BENEFITS

- ✓ Lightweight and economic insulation quilt
- ✓ Manufactured with ECOSE Technology®, pleasant to handle and install
- ✓ Provides thermal, acoustic and fire performance
- ✓ More material per roll means less fetching and carrying.

SPECIFICATIONS

Thickness (mm)	R-value (m ² K/W)		Length (m)	Width (mm)	Area per pack (m ²)	NRC
135	3.38*		7.50	1200 (Uncut)	9.00	1.13
100	2.50*		10.10	1200 (Uncut)	12.12	1.04
75	1.88*		12.80	1200 (Uncut)	15.36	0.93
50	1.25*		19.00	1200 (Uncut)	22.80	0.81

*products designed to meet the requirements of thermal legislation of South African climate zones



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

** Knauf Insulation Ceiling Roll has been evaluated for its fire performance and has passed tests to SANS 10177 Part 5 and Part 10. Based on the results of these tests, its classification in accordance with SANS 428 is:

- SANS 10177-5 - **A (non combustible)**
- SANS 10177-10 - **A / A1**

CERTIFICATION



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ADDITIONAL INFORMATION

Durability

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

Application

Ceiling Roll is primarily used for the thermal insulation of pitched roofs at ceiling level. When used at ceiling level it is usually laid in one or two layers, with the first layer between the joists and the second layer over and at right angles to the joists.

Standards

Ceiling Roll is manufactured in accordance with BS EN 13162, EN 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

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

Vapour resistivity

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

Handling and storage

Ceiling 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 be stored either indoors, or under cover and off the ground. Ceiling Roll should not be left permanently exposed to the elements.



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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