knaufinsulation

CEILING ROLL (LOFT ROLL)



PERFORMANCE

Thermal

 R-value:
 1.25 to 3.38 m²K/W

 Fire Classification:
 Euroclass A1 to BS EN 13501-1.

 In accordance with
 A / A1 / 1**

 SANS 428:2012:
 SANS 10177-5 A - Non Combustible

 SANS 10177 -10 A1 - No flame spread

5.00MNs/g.m.

Vapour resistivity

Water vapour resistivity:

SPECIFICATIONS

Thickness Width NRC Product code R-value R-value Length Area (m^2K/W) per pack (m²) (mm) (m^2K/W) (m) (mm) Uncut/Combi-cut 1200 (800 + 400 or 2 x 600) 135 338 3 35 7.50 113 632899 9.00 7.50 1200 (Uncut) 9.00 1.13 617267 135 3.38 3.35 100 2.50* 2.50 10.10 1200 (800 + 400 or 2 x 600) 12.12 1.04 632858 100 2.50* 2.50 10.10 1200 (Uncut) 12.12 1.04 617265 1200 (800 + 400 or 2 x 600) 75 1.88, 1.85 12.80 15.36 0.93 597309 75 1.88; 1.85 12.80 1200 (Uncut) 15.36 0.93 617263 50 1.25 19.00 1200 (800 + 400 or 2 x 600) 22.80 632897 1.25* 0.81 50 1.25 1200 (Uncut) 1.25* 19.00 22.80 0.81 617261



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 the European norm standard including audited factory production control. ** Up to the temperature of te

Products designed to meet the requirements of thermal legislation of South African climate zones * up to thicknesses of 135mm only













October 2021

DESCRIPTION

Knauf Insulation Ceiling Rolls (Combi-cut) are Glass Mineral Wool rolls, designed for use in cold lofts where pitched roofs are insulated at ceiling level.

They are non-combustible with the best possible Euroclass A1 reaction to fire classification, and are manufactured using Knauf Insulation's unique bio-based binder, ECOSE® Technology.

Combi-cut rolls have partially cut perforations allowing ease of separation into roll widths to suit joist centres at 750mm without having to measure or use tools. 750mm joist centres are installed using 1 x 800mm or 2 x 400mm widths.

BENEFITS

- Non-combustible
 - Available as partially cut rolls for use with joists:
 at 600 or 750mm centres
 or unsplit as a full width roll
 - Lightweight quilt for ease of installation
- Economical packs for less storage and handling
- Manufactured with ECOSE® Technology for improved handling and installation.

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ADDITIONAL INFORMATION

Durability

Ceiling Roll (Loft 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 (Loft 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 (Loft Roll) 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. This allows product transparency disclosure that identifies where a product comes from, what it is made of, and where it goes at the end of its life. 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

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

Vapour resistivity

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

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

Ceiling Roll (Loft 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.



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.

Knauf Insulation Ltd

PO Box 10, Stafford Road, St.Helens, Merseyside, WA10 3NS. UK

Customer Service (sales): +44 (0)1744 766 767 export.sales@knaufinsulation.com Technical Support Team: +44 (0)1744 766 666 technical.uk@knaufinsulation.com

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