knaufinsulation.co.uk

LOFT ROLL 40 AND 44

May 2021

APPLICATIONS

DESCRIPTION

Knauf Insulation Loft Rolls 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.

PERFORMANCE

Thermal

Thermal conductivity:	0.040 and 0.044 W/mK

Fire

Classification:	Euroclass A1 to BS EN 13501-1

Vapour resistivity

Water vapour resistivity:	5.00MNs/g.m.

BENEFITS

- Available Combi-cut, Ready-cut and uncut formats giving a wide range of choice to suit specific install requirements.
- Combi-cut products are supplied partially perforated, providing the flexibility to be used between joists or used uncut as a full-width roll as a top-up layer, maximising on-site efficiency.
- Manufactured in two different options; long lengths to allow quick and simple installation maximising efficiency, and shorter lengths for ease of handling on-site.
- Compression packed and lightweight for easy handling and moving around a site.

SPECIFICATIONS

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m^2K/W)	Length (mm)	Width (mm)	Area per pack (m^2)	Packs per pallet
Loft Roll 44 (Combi-cut)						
200	0.044	4.50	6000	1140 (2x570/3x380)	6.800	24
170	0.044	3.85	7030	1140 (2x570/3x380)	8.014	24
150	0.044	3.40	8050	1140 (2x570/3x380)	9.177	24
100	0.044	2.25	12180	1140 (2x570/3x380)	13.885	24
Loft Roll 44 Short Length (Combi-cut)						
200	0.044	4.50	3400	1140 (2x570/3x380)	3.876	40
170	0.044	3.85	4300	1140 (2x570/3x380)	4.902	40
150	0.044	3.40	4900	1140 (2x570/3x380)	5.586	40
100	0.044	2.25	7280	1140 (2x570/3x380)	8.299	40

All dimensions are nominal

CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS

CE UKCA EUROCLASS A1 FIRE CLASSIFICATION INDOOR AIR COMFORT eurofins GOLD CERTIFIED PRODUCT Generic BRE Green Guide Rating A+ EPD THE INTERNATIONAL EPD® SYSTEM EUCEB Declare. Red List Free MADE IN BRITAIN

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SPECIFICATIONS

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m^2K/W)	Length (mm)	Width (mm)	Area per pack (m^2)	Packs per pallet
Loft Roll 44 (Ready-cut)						
150	0.044	3.40	8050	2x570	9.177	24
100	0.044	2.25	12180	2x570	13.885	24
Loft Roll 44 (Uncut)*						
200	0.044	4.55	5200	1140	5.928	24
150	0.044	3.41	8050	1140	9.177	24
100	0.044	2.27	12800	1140	14.592	24

All dimensions are nominal
**Uncut rolls only available in Ireland*

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m^2K/W)	Length (mm)	Width (mm)	Area per pack (m^2)	Packs per pallet
Loft Roll 40 (Combi-cut)						
200	0.040	5.00	4850	2x570/3x380	5.529	24
150	0.040	3.75	7530	2x570/3x380	8.584	24
100	0.040	2.50	11250	2x570/3x380	12.825	24

All dimensions are nominal

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ADDITIONAL INFORMATION

Durability

Loft Rolls are odourless, rot proof, non-hygroscopic, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Application

Loft Rolls are used for the thermal insulation of cold pitched roofs at ceiling level. They are 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 and certification

Loft Rolls are 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 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

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.

Environmental

Loft Rolls contain no ozone-depleting substances or greenhouse gases. For further environmental information consult the relevant Environmental Product Declaration, available on our website.

Handling and storage

Loft Rolls are easy to handle and install, being lightweight and easily cut to size, where necessary. Loft Rolls are supplied in recyclable 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. Loft Rolls should not be left permanently exposed to the elements.

with ECOSE® TECHNOLOGY

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

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