

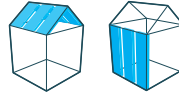
OMNIFIT® ROLLS 34 AND 40

June 2021



with ECOSE[®] TECHNOLOGY

APPLICATIONS



DESCRIPTION

Knauf Insulation OmniFit® Rolls are Glass Mineral Wool rolls, designed for use in multiple applications in both timber and steel frame construction, that offer both thermal and acoustic performance. 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 to 0.034 W/mK.

Fire

Classification: Euroclass A1 to BS EN 13501-1.

Vapour resistivity

Water vapour resistivity: 5.00 MNs/g.m.

BENEFITS

- ✓ Multi-purpose product which can be used to insulate a wide range of applications, meaning less products on a vehicle and on-site.
- ✓ Compression packed with more product on a roll than alternative Rock Mineral Wool rolls.
- ✓ Friction fitting between rafters and studwork provides an optimum seal and prevents gaps which can otherwise lead to unwanted heat loss.

SPECIFICATIONS

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Length (m)	Width (mm)	Area per pack (m ²)	Packs per pallet	Product code
OmniFit® Roll 34							
220	0.034	6.45	2.50	1200	3.000	24	416121
180	0.034	5.25	3.00	1200	3.600	24	416113
150	0.034	4.40	3.50	1200	4.200	24	417800
140	0.034	4.10	4.20	1200	5.040	24	474996
100	0.034	2.90	5.20	1200	6.240	24	417796
OmniFit® Roll 40							
200	0.040	5.00	3.40	1200	4.08	40	474509
150	0.040	3.75	4.55	1200	5.46	40	474386
100	0.040	2.50	6.80	1200	8.16	40	474381

CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS



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ADDITIONAL INFORMATION

Durability

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

Application

OmniFit® Rolls are typically used for the thermal and acoustic insulation of a variety of constructions such as timber frame walls, light steel and metal frame walls and between rafters.

Standards and certification

OmniFit® Rolls are 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's 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

OmniFit® Rolls contain 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

OmniFit® Rolls are easy to handle and install, being lightweight and easily cut to size, where necessary. OmniFit® 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. OmniFit® Rolls 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

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challenge.
create.
care.