

FRAMETHERM® ROLLS 32, 35 AND 40

June 2021



with **ECOSE®** TECHNOLOGY

APPLICATIONS



DESCRIPTION

Knauf Insulation FrameTherm® Rolls are Glass Mineral Wool rolls, designed for use in timber frame applications between studwork, offering a range of thermal performance to meet construction requirements.

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.

BENEFITS

- ✓ Designed to friction fit between timber studs, which prevents air movement and infiltration through or around the insulation, minimising heat loss.
- ✓ Ready-cut into 2x570mm and 3x380mm to suit commonly used timber stud spacing, allowing quick and simple installation and maximising on-site efficiency when compared to alternative insulants.

PERFORMANCE

Thermal

Thermal conductivity: From 0.032 to 0.040 W/mK

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)	Thermal resistance (m ² K/W)	Length (m)	Width (mm)	Area per pack (m ²)	Packs per pallet	Product code
FrameTherm® Roll 40							
140	0.040	3.50	8.02	2x570	9.143	24	498560
90	0.040	2.25	12.50	2x570	14.250	24	498196
FrameTherm® Roll 35							
140	0.035	4.00	3.90	2x570	4.446	24	2407395
90	0.035	2.55	6.00	2x570	6.840	24	2407396
140	0.035	4.00	3.90	3x380	4.446	24	605754
90	0.035	2.55	6.00	3x380	6.840	24	605752
FrameTherm® Roll 32							
140	0.032	4.35	2.80	2x570	3.192	24	2435999
90	0.032	2.80	4.50	2x570	5.130	24	2402014
140	0.032	4.35	2.80	3x380	3.192	24	292208
90	0.032	2.80	4.50	3x380	5.130	24	605745

All dimensions are nominal

CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS



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ADDITIONAL INFORMATION

Durability

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

Application

FrameTherm® Rolls are used for the thermal insulation of external walls and warm roofs in timber frame construction and are friction fitted between studs and rafters.

Standards and Certification

FrameTherm® 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. 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

FrameTherm® 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

FrameTherm® Rolls are easy to handle and install, being lightweight and easily cut to length, where necessary. FrameTherm® 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. FrameTherm® 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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create.
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