

FACTORYCLAD ROLL

November 2021



APPLICATIONS



DESCRIPTION

Knauf Insulation FactoryClad Rolls are Glass Mineral Wool rolls, designed for use in built-up metal roofs and walls, that offer good thermal 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.

BENEFITS

- ✓ Manufactured in long lengths with high tear strength, for ease of installation and durability.
- ✓ Can be used as a sound absorbent lining in conjunction with perforated metal liner sheets to control reverberation of internal sound.
- ✓ Rolls are manufactured at 1200mm wide to improve efficiency on site with quick installation.
- ✓ Lightweight, easy to handle and install

PERFORMANCE

Thermal

R-value: 1.87 to 2.85 m²K/W



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)	R-value (m ² K/W)		R-value (m ² K/W)		Length (mm)	Width (mm)	Area per pack (m ²)	Product code
120	0.040	2.85		3.00		9.40	1200	11.28	2401999
100	0.040	2.39		2.50		11.25	1200	13.50	2401998
80	0.040	1.87		2.00		14.10	1200	16.92	2401997

e=estimate



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



Euro R-values based on 10°C mean temperature, calculated according to requirements of A90:90 for declaring thermal performance and following the European norm standard including audited factory production control.

CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS



FACTORYCLAD ROLL

November 2021

ADDITIONAL INFORMATION

Durability

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

Application

FactoryClad Rolls are used for the thermal and acoustic insulation of roofs and walls in profiled metal clad buildings and portable buildings. With an Euroclass A1 reaction to fire classification, their use can potentially reduce insurance premiums compared to foam composite panels. FactoryClad Rolls are manufactured 1200mm wide to suit commonly used rail and bracket systems, making them particularly suitable for use in twin skin profiled metal cladding systems and standing seam roofs.

Standards

FactoryClad Rolls are manufactured in accordance with BS EN 13162, EN 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

FactoryClad 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

FactoryClad Rolls are easy to handle and install, being lightweight and easily cut to size, where necessary. They are supplied in polythene packs (4-IDPE) which are designed for short term protection only. For longer term protection on site, the products should be stored either indoors, or under cover and off the ground. FactoryClad 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

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

All rights reserved, including those of photomechanical reproduction and storage in electronic media. Extreme caution was observed when putting together and processing the information, texts and illustrations in this document. Nevertheless, errors cannot quite be ruled out. The publisher and editors cannot assume legal responsibility or any liability whatsoever for incorrect information and the consequences thereof. The publisher and editors will be grateful for improvement suggestions and details of possible errors pointed out.

KINE3704DAT - V1121

challenge.
create.
care.