

## FACTORYCLAD ROLL

January 2018



### APPLICATIONS



### DESCRIPTION

FactoryClad Rolls are flexible, lightweight rolls of resilient, non-combustible glass mineral wool with exceptionally high tear strength.

### PERFORMANCE

#### Thermal

R-value: 1.87 to 2.85 m<sup>2</sup>K/W

#### Fire

Classification: EUROCLASS A1 to BS EN 13501-1.

#### Vapour resistivity

Water vapour resistivity: 5.00 MNs/g.m.

### BENEFITS

- ✓ Exceptionally high tear strength
- ✓ Provides thermal and acoustic performance
- ✓ Cost effective
- ✓ Lightweight, easy to handle and install

### SPECIFICATIONS

Thickness (mm)	Thermal conductivity (W/mK)	R-value (m <sup>2</sup> K/W)			Length (mm)	Width (mm)	Area per pack (m <sup>2</sup> )
120	0.040	2.85		3.00	9.40	1200	11.28
100	0.040	2.39		2.50	11.25	1200	13.50
80	0.040	1.87		2.00	14.10	1200	16.92

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 λ90:90 for declaring thermal performance and following the European norm standard including audited factory production control.

### CERTIFICATION



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### 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 a Euroclass A1 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 and in long lengths, 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, 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 Bureau Veritas.

#### Environmental

FactoryClad Rolls represent no known threat to the environment and have zero Ozone Depletion Potential and zero Global Warming Potential.

#### Vapour resistivity

FactoryClad Rolls offer negligible resistance to the passage of water vapour and have a water vapour resistivity of 5.00 MNs/g.m.

#### 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 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.



Knauf Insulation mineral wool products made with ECOSE Technology® benefit from a no added formaldehyde binder, which is up to 70% less energy intensive than traditional binders and is made from rapidly renewable bio-based materials instead of petroleum-based chemicals. The technology has been developed for Knauf Insulation's glass and rock mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE Technology® contain no dye or artificial colours.

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