

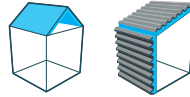
## KNAUF INSULATION ROOF BLANKET

September 2023



Enhanced moisture resistance with DriTherm® technology. Knauf Insulation glasswool is silicone treated, which provides moisture resistance for up to 50 years.

### APPLICATIONS



### DESCRIPTION

Knauf Insulation roof blanket (unfaced) provides thermal and acoustic insulation for commercial roofs. Condensation control can be achieved when the product is faced with foil of the appropriate duty classification. Knauf Insulation roof blanket (unfaced) range includes a selection of R-values to provide builders, designers and installers the opportunity to choose the best thermal performance for their project. Knauf Insulation roof blanket (unfaced) will improve the thermal comfort and energy efficiency of the building in which it has been installed thus keeping it cool in summer and warm in winter.

The super-soft and easy to handle benefits of Knauf Insulation glasswool have been further enhanced with TwinTech®. TwinTech® heralds another advancement in insulation manufacture - the dual forming technique ensures there is a smooth finish on both sides of the insulation, which improves product handling and appearance. Knauf Insulation glasswool is made using up to 80% recycled glass and with ECOSE® Technology, a sustainable, bio-based binder that contains no added formaldehyde.

## PERFORMANCE

<b>Thermal</b>	AS/NZS 4859.1 (2018).
<b>Fire Hazard Properties (AS/NZ 1530.3)</b>	Ignitability: 0, Spread of Flame: 0, Heat Evolved: 0, Smoke Developed: 0-1.
<b>Water Vapour Absorption</b>	Less than 5% by weight.
<b>Microbial Growth</b>	Does not support microbial growth.
<b>Corrosion Resistance</b>	No greater than sterile cotton.
<b>Combustibility (AS 1530.1)</b>	Non-combustible.

## BENEFITS

- ✓ DriTherm® technology - silicone treated glasswool for increased durability
- ✓ No added formaldehyde
- ✓ TwinTech® - smooth finish on both sides
- ✓ Soft to handle and install
- ✓ High thermal performance - year round comfort
- ✓ 50 year warranty
- ✓ Sound absorbing
- ✓ Compression packed - more product per pack
- ✓ Non-combustible
- ✓ Odourless.
- ✓ Saves energy - lower energy bills

## CERTIFICATION



Please scan the QR Code to view the complete list of certifications on our website.

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### SPECIFICATIONS

Product Code	R-Value (m <sup>2</sup> K/W)	Thermal Conductivity (W/mK)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m <sup>2</sup> )	Pieces per pack
683665	1.9	0.039	75	1200	23000	27.6	1
683666	2.4	0.042	100	1200	17500	21.0	1
683667	3.1	0.039	120	1200	14500	17.4	1
683668	3.3	0.039	130	1200	13500	16.2	1

All dimensions are nominal.

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### ADDITIONAL INFORMATION

#### Specification Guide

The roof insulation shall be Knauf Insulation roof blanket R\*, \*mm thick, BRANZ appraised to meet the provisions of the NZBC. The product will be non-combustible, Red List Free as labelled by Declare, Global GreenTag Level A certified, glasswool insulation with high post-consumer recycled glass content and with ECOSE® Technology. It will be manufactured under Quality Assurance Standards ISO 9001:2008 and ISO 14001:2004 by Knauf Insulation and shall be installed in accordance with the instructions issued by them.

\*architect to insert details of products used.

#### Specification Compliance

AS/NZS 4859.1: 2018 Materials used in the Thermal Insulation of Buildings and comply with the New Zealand Building Code requirements: B2 – Durability, E3 – External Moisture, F2 – Hazardous Building Materials, and H1 – Energy Efficiency, as appraised by BRANZ. Knauf Insulation roof blanket is an acceptable solution in terms of the New Zealand Building Code.

#### Bio-solubility

The formulation used for Knauf Insulation glasswool insulation has been independently assessed to meet the requirements of the stringent Note Q standard (and is therefore consistent with the highest Australian and New Zealand industry standards), and also assessed by Knauf Insulation against NZ Work-Safe requirements. Knauf Insulation glasswool is classified as a non-hazardous substance in line with the NOHSC: 1008 3rd Edition.

#### Environmental

Knauf Insulation roof blanket represents no known threat to the environment and comes with GreenTag Level A certification, Declare label and a certified Environmental Product Declaration. Knauf Insulation glasswool has low VOC and benefits from ECOSE® Technology.

#### Proven Performance

- Knauf Insulation glasswool is preferred by professional installers concerned with quality, appearance and productivity.
- Knauf Insulation glasswool has excellent acoustical properties reduce sound transmission in the home when properly installed in walls, ceiling and floor systems.

#### Durability

- Knauf Insulation glasswool is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.
- DriTherm® technology - silicone treated glasswool for increased durability.

#### Superior Handling

- Highly resilient insulation recovers quickly to full thickness for a snug fit and superior finished aesthetics.
- Consistent quality materials feel good, cut easily and install fast.
- Low dust for easier handling and increased productivity.

#### Convenient Packaging, Easier Handling

- Knauf Insulation glasswool is packaged in a strong, white poly film that offers excellent protection from abuse, dust and moisture.
- Knauf Insulation glasswool packages feature easy to follow installation instructions.
- MasterBag insulation units (containing multiple packs) ensure reduced handling costs with improved compression – more square metres per bag, more square metres per truck load, fewer trips to the job site and less warehouse space for storage.

#### Superior Service and Support

- Knauf Insulation is focused on providing first class customer service, producing high quality products and 'in full on time' deliveries.
- Knauf Insulation recognises the need to establish, develop and support a professional network of distributors and re-sellers in order to service a growing insulation market.
- Knauf Insulation is committed to providing a comprehensive range of relevant sales and marketing literature and web-based technical information to support specifiers and customers.



Knauf Insulation glasswool products made with ECOSE® Technology benefit from a no added formaldehyde binder, which is less energy intensive than traditional binders and is based on rapidly renewable, bio-based materials instead of petro-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. Knauf Insulation glasswool products made with ECOSE® Technology contain no added dyes or artificial colours.

#### Knauf Insulation Ltd

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