



METAL ROOFING INSULATION SOLUTIONS FOR AUSTRALIA



THERMAL
PERFORMANCE



ACOUSTIC
PERFORMANCE



NON
COMBUSTIBLE



LOW
CARBON



SOFT
HANDLING



REDUCES
ENERGY BILLS



MADE WITH
RECYCLED GLASS



KNAUFINSULATION

Build on us.

GLASSWOOL BY KNAUF INSULATION: MANUFACTURED USING ADVANCED TECHNOLOGY



Knauf Insulation is one of the largest insulation manufacturers in the world with over 40 factories worldwide, and the most advanced insulation manufacturing facility is right here in Asia-Pacific.



- State-of-the-art equipment
- Scale for optimised efficiency
- 100% renewable electricity
- Patented Knauf technology



KNAUF INSULATION GLASSWOOL PRODUCTS MEET STRINGENT PERFORMANCE STANDARDS AND ARE CERTIFIED BY INDUSTRY RECOGNISED BODIES TO GIVE CONFIDENCE FOR USE IN HIGH PERFORMING BUILDINGS.

QUALITY

Market leading certification demonstrating environmental and building code compliance.

BRANZ Appraised



BRANZ Appraisals provide confidence that our products are fit for purpose and meet Building Code performance requirements in Australia and New Zealand.

CodeMark™ Certified



CodeMark™ provides confidence to regulatory authorities and end-users that certified products meet the requirements of the Australian and New Zealand Building Codes.

Manufactured in accordance with ISO 9001 Quality Management



All of our products are manufactured in accordance with the ISO 9001 Quality Management system, demonstrating our commitment to delivering the highest quality possible.

ILAC Mutual Recognition Arrangement



Knauf Insulation's laboratory in our APAC manufacturing facility is accredited under the ILAC Mutual Recognition Arrangement (ILAC MRA), demonstrating its technical competency in accordance with MS ISO/IEC 17025:2017.

MATERIAL HEALTH

Designed and certified with optimum health and safety in mind.

EUCEB Certified



All glasswool products manufactured by Knauf Insulation are made of non-classified fibres (fibres that are less bio-persistent than every day dust) and are safe to use as certified by EUCEB.

Eurofins Certified



The Eurofins gold certificate for indoor air comfort is awarded to products which demonstrate that they meet stringent low levels of VOCs (volatile organic compounds).

Manufactured in accordance with ISO 45001 Occupational Health and Safety Management



All of our products are manufactured in accordance with the ISO 45001 Occupational Health & Safety Management system, demonstrating our commitment to worker health & safety.

Declare - Red List Free



All unfaced Glass Mineral Wool products have been awarded the DECLARE "Red List Free" label by the International Living Futures Institute, confirming they contain no harmful Red List chemicals or ingredients.

SUSTAINABILITY

Manufactured using up to 80% post-consumer glass which is partially sourced from Australian recycled glass bottles.

Global GreenTag Cert™ GreenRate™ Level A Certified



Global GreenTag Cert™ GreenRate™ Level A Certified products pass stringent standards for health, sustainability performance and safety, and are also eligible for a range of credits within the GreenStar® building rating scheme.

Manufactured in accordance with ISO 14001 Environmental Management



All of our products are manufactured in accordance with the ISO 14001 Environmental Management system, demonstrating our commitment to minimise our impact on the environment.

Manufactured in accordance with ISO 50001 Energy Management



All of our products are manufactured in accordance with the ISO 50001 Energy Management system, demonstrating our commitment to conserving resources and minimising the impact of our processes through efficient energy management.

FEATURES AND BENEFITS OF KNAUF INSULATION GLASSWOOL

FROM MANUFACTURE TO INSTALLATION, THERE IS INNOVATION AT EVERY STAGE.

KNAUFINSULATION



THERMALLY EFFICIENT

The **thermal properties** of Knauf Insulation products act as a barrier to the outside elements to limit heat loss in winter and heat gain in summer through walls, roofs and floors. Buildings stay at a comfortable temperature all year-round.



ECOSE® Technology is a plant-based binder with **no added formaldehyde** which results in up to 70% less upfront carbon than traditional formaldehyde based binders. The natural, earthy brown colour comes from no added dyes or colours.



SOUND ABSORBING

Knauf Insulation products will improve the **acoustic performance** of the building in which they have been installed by absorbing the transfer of unwanted sound from external sources and between adjoining rooms, helping to create a peaceful and quiet buildings.



NON-COMBUSTIBLE

Knauf Insulation glasswool is certified as **non-combustible** and will not contribute to fire spread.



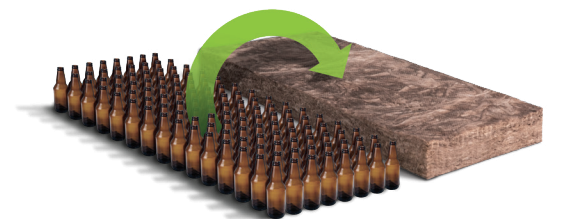
COST SAVING

Without insulation you could be wasting around 33% of the energy you're paying for. Knauf Insulation **saves energy and saves money.**



MADE USING RECYCLED GLASS

Our insulation is made from **up to 80% recycled glass.** Our new generation furnace uses more grades of glass, taking more waste out of our environment.



LOW VOC

Knauf Insulation glasswool is supported by **Eurofins Indoor Air Comfort Gold** as an 'outstanding material' according to VOC and Indoor Air Quality Emissions certification.



EASY TO HANDLE

Our insulation is **super-soft**, making it easier to cut and install. There's no odour, less dust and less itch than conventional glasswool insulation.



WORLD LEADING MANUFACTURING

Produced in our **state-of-the-art manufacturing facility** to the highest standards of quality.



COMPRESSION PACKED

Our industry leading **compression packaging technology** enables us to compress our insulation with a **10:1** ratio in terms of volume of space which can be insulated compared to the volume of the packaged product. This means less transport, less storage, and less handling.



Our insulation is **manufactured with TwinTech® Technology**, an innovative process which gives the insulation a smooth finish on both sides for optimal handling and appearance.

ROOFING SOLUTIONS FOR COMMERCIAL FLAT ROOF

Knauf Insulation Roof blanket (unfaced) provides thermal and acoustic insulation for commercial roofs. The 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. Condensation control can be achieved when the product is faced with foil of the appropriate duty classification.

The super-soft and easy to handle benefits of Knauf Insulation glasswool have been further enhanced with TwinTech®. TwinTech® heralds another advancement 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, plant-based binder that contains no added formaldehyde.



Performance

Thermal	AS/NZS 4859.1 (2018).
Fire Hazard Properties (AS/NZ 1530.3)	Ignitability: 0, Spread of Flame: 0, Heat Evolved: 0, Smoke Developed: 2-3.
Water Vapour Absorption	Less than 5% by weight.
Microbial Growth	Does not support microbial growth.
Corrosion Resistance	No greater than sterile cotton.
Combustibility (AS 1530.1)	Non-combustible.
Group Classification	Group 1* AS 5637.1.

*for all Knauf Insulation approved foil facing options

Specifications

Product Code	R-Value (m²K/W)	Thermal Conductivity (W/mK)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m²)	Available Facing*	Pieces per pack
683640	1.3	0.042	55	1200	30000	36.0	Light duty, Heavy duty, non-combustible	1
683659	1.8	0.042	75	1200	23000	27.6		1
683660	2.3	0.043	100	1200	17500	21.0		1
683661	2.5	0.042	105	1200	16500	19.8		1
683662	3.0	0.040	120	1200	14500	17.4		1
683643	3.2	0.041	130	1200	13500	16.2		1
723800	3.6	0.041	145	1200	10000	12.0		1
683720	3.7	0.035	130	1200	6500	7.8		1

All dimensions are nominal.

*We can provide a range of lamination options for our roof blanket products through our network of specialist lamination partners. To find out more please email info.au@knaufinsulation.com or call 07 3393 7300.

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For more information on roofing please scan the QR code.

Build on us.