

EARTHWOOL® ROOF BLANKET

May 2018



APPLICATIONS



DESCRIPTION

Earthwool® 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. The Earthwool® 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. Earthwool® 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. Supersoft to handle and install, Earthwool® is made using up to 80% recycled glass and with ECOSE® Technology, a sustainable, bio-based binder that contains no added formaldehyde.

PERFORMANCE

Thermal

Thermal conductivity:
Thermal resistance:

ASTM C 518 and AS/NZS 4859.1: 2002.
ASTM C 653 and AS/NZS 4859.1: 2002.

Fire Hazard Properties (AS/NZ 1530.3)

Ignitability: 0, Spread of Flame: 0, Heat Evolved: 0, Smoke Developed: 0-1.

Water Vapour Absorption

Less than 5% by weight.

Microbial Growth

Does not support microbial growth.

Corrosion Resistance

No greater than sterile cotton.

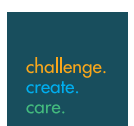
Combustibility (AS 1530.1)

Non-combustible.

BENEFITS

- ✓ High thermal performance - year round comfort
- ✓ Sound absorbing
- ✓ Non-combustible
- ✓ Saves energy - lower energy bills
- ✓ No added formaldehyde
- ✓ Soft to handle and install
- ✓ Compression packed - more product per pack
- ✓ Odourless.

CERTIFICATION



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ADDITIONAL INFORMATION

Specification Compliance

AS/NZS 4859.1: 2002 Materials used in the Thermal Insulation of Buildings, AS1530.1 Method of Fire Testing on Building Materials, AS1530.3 Early Fire Hazard Properties. Earthwool® Roof blanket will contribute to compliance with the Building Code of Australia (BCA) requirements.

Specification Guide

The roof insulation shall be Earthwool® Roof blanket R*, * mm thick, BRANZ appraised to meet the provisions of the BCA. The product will be non-combustible, CFC/HCFE free, zero ODP and GWP, Global GreenTag Cert™ 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.

Bio-solubility

The formulation used for Earthwool® 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 the criteria of the Australian safety and compensation council ASCC approved criteria for classifying hazardous substances (NOHSC: 1008 3rd edition) as a result of this assessment, Earthwool® insulation is not classified as hazardous according to the NOHSC criteria.

Proven Performance

- Preferred by professional installers concerned with quality, appearance and productivity.
- Excellent acoustical properties reduce sound transmission when properly installed in roof systems.
- Foil-faced roofing rolls provide condensation control.

Durability

- Earthwool® Roof blanket is odourless, rot proof, non-hygroscopic, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

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

- Earthwool® Roof blanket is packaged in a strong, white poly film that offers excellent protection from abuse, dust and moisture.
- Our packages feature easy to follow installation instructions.

Superior Service and Support

- Knauf Insulation is totally focused on providing first class customer service, producing high quality product and 'on time in full' 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.

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SPECIFICATIONS

Product Code	R-Value (m ² K/W)	Thickness (mm)	Length (mm)	Width (mm)	Pieces per pack	Area per pack (m ²)
461848	1.3	55	37000	1200	1	44.4
497338	1.5	60	28000	1200	1	33.6
472959	1.8	75	23000	1200	1	27.6
474347	2.3	100	17500	1200	1	21.0
474350	2.5	105	16500	1200	1	19.8
474352	3.0	120	14500	1200	1	17.4
429752	3.2	130	16500	1200	1	16.2



Earthwool® 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. Earthwool® products made with ECOSE® Technology contain no added dyes or artificial colours.

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