KNAUF INSULATION

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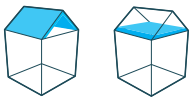
EARTHWOOL® CEILING BATT

September 2024

TWINTECH with ECOSE® TECHNOLOGY

APPLICATIONS



DESCRIPTION

The Earthwool® Ceiling batt range includes a selection of R-values to provide builders, designers, installers and DIYers the opportunity to choose the best thermal performance for their project. Earthwool® Ceiling batt 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 Earthwool® 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. Earthwool® Ceiling batt 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: 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

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

CERTIFICATION

BRANZ Appraised · CodeMark 30094 · Declare. · Red List Free

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

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SPECIFICATIONS

CEILING BATT - BASIC PERFORMANCE

Product Code	R-Value (m^2K/W)	Thermal Conductivity (W/mK)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m^2)	Pieces per pack
731840	3.5	0.050	175	430	1160	8.5	17
731838	3.5	0.050	175	580	1160	11.4	17
731832	4.0	0.049	195	430	1160	7.5	15
731830	4.0	0.049	195	580	1160	10.1	15

All dimensions are nominal.

CEILING BATT - HIGH PERFORMANCE

Product Code	R-Value (m^2K/W)	Thermal Conductivity (W/mK)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m^2)	Pieces per pack
2437543	5.0	0.042	210	430	1160	5.5	11
760054	5.0	0.042	210	580	1160	7.4	11
838378	5.0	0.046	230	430	1160	5.49	11
840408	5.0	0.046	230	580	1160	7.4	11
2437545	6.0	0.046	275	430	1160	5.5	11
760108	6.0	0.046	275	580	1160	7.4	11

All dimensions are nominal.

CEILING BATT - SUPERIOR PERFORMANCE

Product Code	R-Value (m^2K/W)	Thermal Conductivity (W/mK)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m^2)	Pieces per pack
832448	7.0	0.047	330	460	1160	4.3	8
836829	7.0	0.047	330	620	1160	5.8	8

All dimensions are nominal.

CEILING BATT - ULTRA PERFORMANCE

Product Code	R-Value (m^2K/W)	Thermal Conductivity (W/mK)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m^2)	Pieces per pack
840410	8.0	0.043	350	460	1160	3.7	7
840412	8.0	0.043	350	620	1160	5.0	7

All dimensions are nominal.

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ADDITIONAL INFORMATION

Specification Compliance

AS/NZS 4859.1 (2018) Materials used in the Thermal Insulation of Buildings, AS 1530.1 Method of Fire Testing on Building Materials, AS 1530.3 Early Fire Hazard Properties. Earthwool® Ceiling batt will contribute to compliance with the National Construction Code (NCC) requirements.

Specification Guide

The ceiling insulation shall be Earthwool® Ceiling batt, R* or *kg/m³, *mm thick, BRANZ appraised to meet the provisions of the NCC. 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.

Bio-solubility

The formulation used for Earthwool® Ceiling batt 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 Safe Work Australia (SWA). Earthwool® insulation is classified as a non-hazardous substance in line with the NOHSC: 1008 3rd Edition.

Environmental

Earthwool® Ceiling batt represents no known threat to the environment and comes with GreenTag Level A certification, Declare label and a certified Environmental Product Declaration. Earthwool® insulation has low VOC and benefits from ECOSE® Technology.

Proven Performance

- Earthwool® insulation is preferred by professional installers concerned with quality, appearance and productivity.
- Earthwool® insulation has excellent acoustical properties reduce sound transmission in the home when properly installed.

Durability

- Earthwool® Ceiling batt is odourless, rot proof, non-hygroscopic, does 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® Ceiling batt is packaged in a strong, white poly bag that offers excellent protection from abuse, dust and moisture.
- Earthwool® Ceiling batt 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 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.

with ECOSE® TECHNOLOGY

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, plant-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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