



EarthWool™ Ceiling Batts

Description

Knauf Insulation's EarthWool™ Ceiling Batts are made from highly resilient, inorganic glass fibres bonded by ECOSE Technology, a revolutionary new binder based on rapidly renewable bio-based materials rather than non-renewable petroleum-based chemicals. ECOSE® Technology reduces Knauf Insulation binder embodied energy and contains no phenol, formaldehyde, acrylics or artificial colours found in traditional glasswool insulation.

Application

EarthWool™ Ceiling Batts provide a cost-effective thermal and acoustical barrier for energy-efficient construction. The batts' consistent quality, low dust, and clean-cutting resilient wool makes installation fast. EarthWool™ Ceiling Batts can be used in timber and metal frame applications in residential structures. These applications include thermal and acoustical treatments to walls, ceilings and floors. Knauf Insulation offers EarthWool™ Ceiling Batts in a wide range of sizes and R-values.

Specification Compliance

AS/NZS 4859.1: 2002 Materials used in the Thermal Insulation of Buildings and comply with the Building Code of Australia (BCA) requirements.

Bio-solubility

Glasswool insulation fibres have been tested in laboratory studies according to EC protocols ECB/ TM27 REV. 7, 1998 and shown to be bio-soluble. KNS3 fibres comply with the short term biopersistence test and fulfill the requirements of Australian and international authorities on biosolubility. EarthWool™ has BRANZ certification.

Knauf Insulation's EarthWool products with ECOSE® Technology benefit from a formaldehyde-free binder made from rapidly renewable bio-based materials instead of petroleum-based chemicals which is up to 70% less energy intensive. 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 dye or artificial colours – the colour is completely natural.

Performance

Thermal Conductivity

- ASTM C 518 and AS/NZS 4859.1: 2002

Thermal Resistance

- ASTM C 653 and AS/NZS 4859.1: 2002

Technical Data

Water Vapor Absorption (ASTM C 1104)

- Less than 5% by weight.

Corrosion Resistance (ASTM C 665)

- No greater than sterile cotton.

Microbial Growth (ASTM C 1338)

- Does not support microbial growth.

Fire Resistance (ASTM C 136)

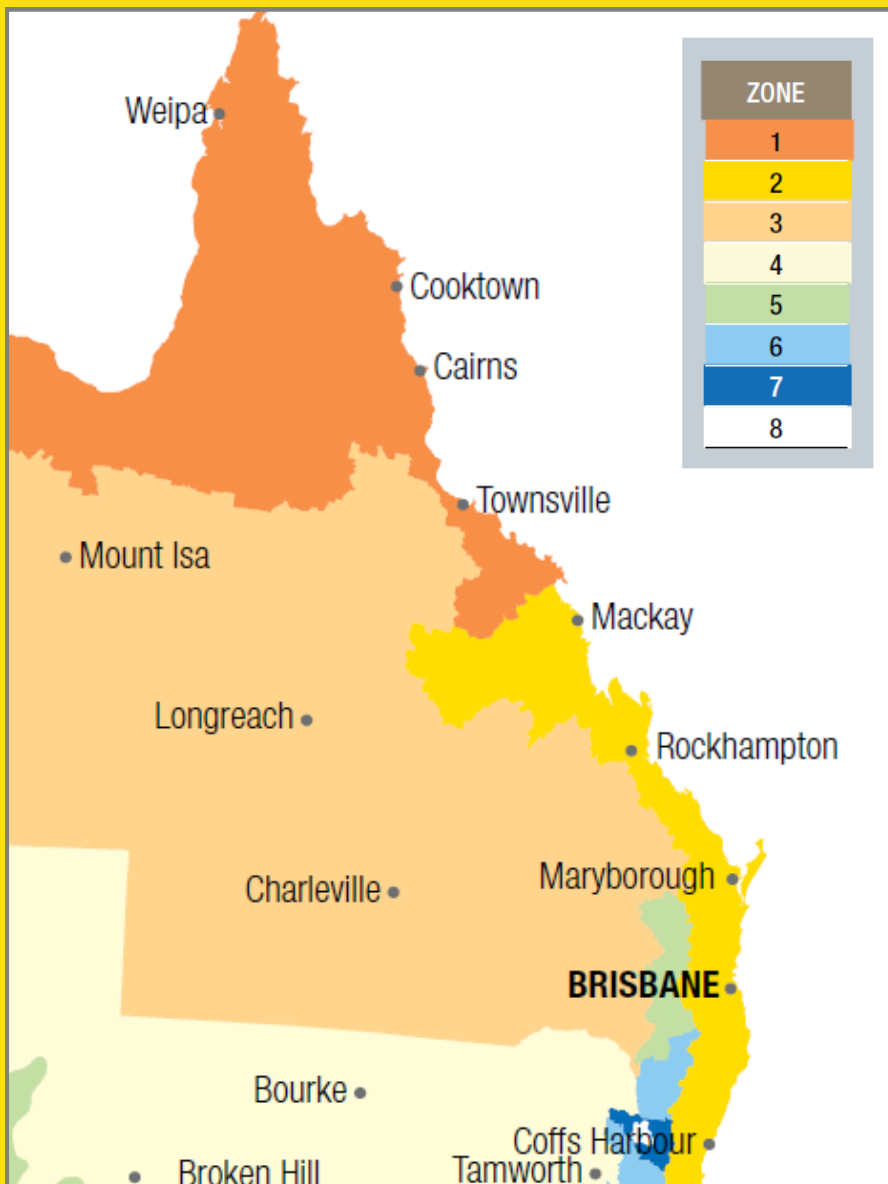
- Non-combustible.

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Benefits

- Preferred by professional installers concerned with quality, appearance and productivity
- Excellent acoustical properties reduces sound transmission in the home when properly installed in walls, ceiling and floor systems.
- 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.
- Earthwool Ceiling Batts are packaged in a strong, white poly bag that offers excellent protection from abuse, dust and moisture.
- Master bag batt units (containing multiple packs) ensure reduced handling costs with improved compression—more square metres per bag.

Item Ref. No	Thickness (mm)	R-Value (m ² K/W)	Dimensions (mm)	Pieces per Pack	Kg Per Pack (kg)	m ² per Pack (m ²)	Zone
Ceiling Batts - Timber Frame							
AZ11EV	125	2.5	430X1160	30	13.7	15	1
AZ12E	125	2.5	580X1160	30	18.5	20.2	2 < 300M
AZ13EV	145	3	430X1160	23	13.4	11.5	2 < 300M
AZ14E	145	3	580X1160	23	17.7	15.5	3
AZ17EV	175	3.5	430X1160	21	13.4	10.5	4, 5, & 6
AZ18E	175	3.5	580X1160	21	18.1	14.1	



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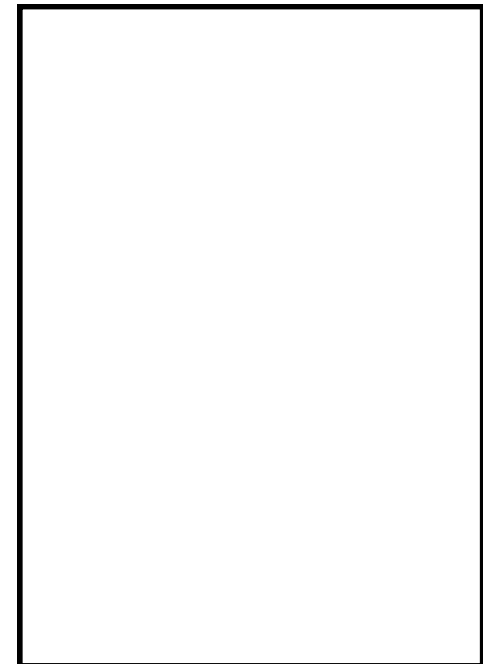
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Your Local Earthwool Installer



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