

Trade Batts®: Ceiling

Thermal insulation for transportable building ceiling applications

Description

Trade Batts® are made from lightweight, flexible and resilient glasswool for thermal and acoustic insulation of transportable building ceilings. Trade Batts® are available in various sizes to fit standard joist spacings.

Applications

Trade Batts® are the trusted choice when it comes to constructing transportable buildings for increased thermal efficiency. The Trade Batts® insulation range delivers an effective and efficient product solution for every application.

Trade Batts®, renowned for their firmness, are low itch, easy to cut and friction-fit to make buildings feel cooler in summer, warmer in winter and provide energy savings all year round.

Features and benefits

Firm friction-fit	→	Holds firmly in place once installed to deliver stated thermal performance.
AS/NZ 4859.1: 2018 compliant	→	Peace of mind that Trade Batts® meet the BCA requirements.
Made from recycled glass	→	Supporting sustainability and environmentally conscious manufacturing.
Low VOCs	→	Safe to use as no harmful VOCs are released when in use.

Physical characteristics

Material R-value m ² K/W	Nominal thickness mm	Width mm	Length mm	Batts per pack	Area per pack m ²	Coverage per pack m ²	Bag weight kg	Packs per bale	Product code
R4.1	195	430	1160	15	7.48	8.42	11.67	5	331110
		580	1160	15	10.09	11.35	15.74	5	331111

Physical properties

Property	Test method/standard	Result	Unit
Maximum service temperature	ASTM C411/C447	350	°C
Thermal resistance	AS/NZS 4859.1	Complies	m ² K/W
Moisture absorption	When exposed to environmental conditions of 50°C and 95% relative humidity for four days	< 0.2	% by volume
pH	ASTM C871	9 (does not contribute to the corrosion of steel structures)	-

Fire hazard properties

Trade Batts® exhibit the following characteristics when tested in accordance with the following standards:

Property	Test method/standard	Unfaced
Combustibility	AS 1530.1	Non-combustible
Early Fire Hazard Indices	AS/NZS 1530.3	
Ignitability Index		0
Spread of Flame Index		0
Heat Evolved Index		0
Smoke Developed Index		0-1

Environmental properties

Trade Batts® insulation avoids the use of Ozone Depleting Potential (ODP) substances in the manufacture or composition of its Glasswool Bio-Soluble Insulation®.

The use of Trade Batts® insulation products guarantees the use of Zero ODP insulation while also ensuring that no harmful levels of Volatile Organic Compounds (VOCs) are released. This allows the incorporation of environmentally preferable insulation whilst also maintaining indoor air quality.

Health and safety

Glasswool products are manufactured from Glasswool Bio-Soluble Insulation®. It is safe to use and is classified as non-hazardous according to the criteria of Safe Work Australia. Glasswool insulation can be used with confidence in any residential, commercial or industrial application. Bio-soluble fibres have been extensively researched and shown to pose no long term health risks.

Technical specification

When specifying, state the following:

The insulation material shall be Trade Batts® Ceiling R _____ m²K/W (Material R-value)
 _____ (thickness) x _____ (width) x _____ (length) mm.

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