

Pink® Batts: Ceiling

Thermal insulation for residential ceiling applications

Description

Pink® Batts are made from lightweight, flexible and resilient glasswool for thermal and acoustic insulation of residential ceilings. Pink® Batts are available in various sizes to fit standard timber and steel joist spacings.

Application

Pink® Batts are the trusted choice when it comes to constructing new homes or retrofitting existing buildings for increased thermal efficiency. The Pink® Batts insulation range is available in various thermal R-values and dimensions ensuring there is an effective and efficient product solution for every application.

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

Physical Characteristics

	Material R-value m² K/W	Nominal Thickness mm	Width mm	Length mm	Batts per pack	m² per pack	Coverage per pack m²	Packs per Bale	Product Code
Ceiling	R2.5	130	430	1160	16	8.0	9.0	6	901254
			580	1160	16	10.8	12.2	6	901255
	R3.0	155	430	1160	16	8.0	9.0	5	901304
			580	1160	16	10.8	12.2	5	901305
	R3.5	175	430	1160	16	8.0	9.0	4	901354
			580	1160	10	6.7	7.6	6	901355
	R4.0	195	430	1160	10	5.0	5.6	5	901404
			580	1160	10	6.7	7.6	6	901403
	R4.1	195	430	1160	10	5.0	5.6	5	901414
			580	1160	10	6.7	7.6	6	901415
	R5.0	215	430	1160	8	4.0	4.5	5	901504
			580	1160	8	5.4	6.1	5	901505
	R6.0	250	430	1160	6	3.0	3.4	5	901604
			580	1160	6	4.0	4.6	5	901605

Physical Properties

Property	Test Method/Standard	Result	Unit
Maximum Service Temperature	ASTM C411/C447	350	°C
Thermal Resistance	AS/NZS 4859.1:2002	Complies	m².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

Property	Test Method/Standard	Result
Combustibility	AS1530.1:1994	Non combustible
Ignitability Index	AS/NZS 1530.3:1999	0
Spread of Flame Index		0
Heat Evolved Index		0
Smoke Developed Index		0-1
BAL Compliance	AS3959:2018	Low – FZ

Acoustic Performance

Sound Absorption

Pink® Batts tested achieve the following sound absorption coefficients when tested in accordance with AS ISO 354-2006.

Product	Thickness mm	Sound Absorption Coefficients at Frequencies (Hz) of:						NRC	α_w
		125	250	500	1000	2000	4000		
Pink® Batts R3.5	175	0.55	1.0	1.0	1.0	1.0	1.0	1.10	1.0

Flow Resistivity

Pink® Batts tested achieve the following Flow Resistivities when tested in accordance with ASTM C522-03.

	Thickness mm	130	155	175	195	215	250	
	R-Value	2.5	3.0	3.5	4.0	5.0	6.0	
Property	Test Method/Standard	Test Results						Unit
Airflow resistance of acoustic materials	ASTM C522-03	2470	2850	2700	3160	4500	4460	Rayls/m

Health and Safety

Fletcher Insulation glasswool products are manufactured from FBS-1 Glasswool Bio-Soluble Insulation®. FBS-1 Glasswool Bio-Soluble Insulation® is safe to use and classified as non-hazardous according to the criteria of Safe Work Australia. Fletcher Insulation glasswool insulation can be used with confidence in any residential, commercial or industrial application.

Environmental Properties

Fletcher Insulation avoids the use of Ozone Depleting Potential (ODP) substances in the manufacture or composition of its FBS-1 Glasswool Bio-Soluble Insulation® and Sisalation® reflective foil products.

The use of these Fletcher 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.

Technical Specification

When specifying, state the following:

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

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Pink® Batts: Wall

Thermal insulation for residential wall applications

Description

Pink® Batts are made from flexible and resilient glasswool for thermal and acoustic insulation of residential walls. Pink® Batts are available in various sizes and densities to fit standard timber and steel stud spacings.

Application

Pink® Batts are the trusted choice when it comes to constructing new homes or retrofitting existing buildings for increased thermal efficiency. The Pink® Batts insulation range is available in various thermal R-values and dimensions ensuring there is an effective and efficient product solution for every application.

Pink® Batts, renowned for their firmness, are low itch, easy to cut and friction fit standard wall studs to make homes feel cooler in summer, warmer in winter and provide energy savings all year round.

Physical Characteristics

	Material R-value m² K/W	Nominal Thickness mm	Width mm	Length mm	Batts per pack	m² per pack	Coverage per pack m²	Packs per Bale	Product Code
Wall	R1.5	70	430	1160	24	12.0	13.6	6	900166
			580	1160	24	16.1	18.2	6	900167
	R2.0	90	430	1160	24	12.0	13.6	5	901217
			580	1160	24	16.1	18.2	5	901218
	R2.2	90	430	1160	16	8.0	9.0	6	901220
			580	1160	16	10.8	12.2	6	901221
	R2.0 HD	70	430	1160	12	6.0	6.8	6	900210
			580	1160	12	8.1	9.1	6	900211
			600	1200	12	8.6	8.6	6	900213
	R2.5 HD	90	430	1160	12	6.0	6.8	5	900253
			580	1160	12	8.1	9.1	5	900256
			600	1200	12	8.6	8.6	6	900214

Physical Properties

Property	Test Method/Standard	Result	Unit
Maximum Service Temperature	ASTM C411/C447	350	°C
Thermal Resistance	AS/NZS 4859.1:2002	Complies	m².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

Property	Test Method/Standard	Result
Combustibility	AS1530.1:1994	Non combustible
Ignitability Index	AS/NZS 1530.3:1999	0
Spread of Flame Index		0
Heat Evolved Index		0
Smoke Developed Index		1
BAL Compliance	AS3959:2018	Low – FZ

Acoustic Performance

Sound Absorption

Pink® Batts tested achieve the following sound absorption coefficients when tested in accordance with AS ISO 354-2006.

Product	Thickness mm	Sound Absorption Coefficients at Frequencies (Hz) of:						NRC	α_w
		125	250	500	1000	2000	4000		
Pink® Batts R2.0	90	0.40	0.79	1.03	0.97	0.94	0.92	0.95	1.0

Flow Resistivity

Pink® Batts tested achieve the following Flow Resistivities when tested in accordance with ASTM C522-03.

	Thickness mm	70	90	70	90	
	R-Value	1.5	2.0	2.0 HD	2.5 HD	
Property	Test Method/Standard	Test Results				Unit
Airflow resistance of acoustic materials	ASTM C522-03	5410	4730	11750	7930	Rayls/m

Health and Safety

Fletcher Insulation glasswool products are manufactured from FBS-1 Glasswool Bio-Soluble Insulation®. FBS-1 Glasswool Bio-Soluble Insulation® is safe to use and is classified as non-hazardous according to the criteria of Safe Work Australia. Fletcher Insulation glasswool insulation can be used with confidence in any residential, commercial or industrial application.

Environmental Properties

Fletcher Insulation avoids the use of Ozone Depleting Potential (ODP) substances in the manufacture or composition of its FBS-1 Glasswool Bio-Soluble Insulation®.

The use of these Fletcher 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.

Technical Specification

When specifying, state the following:

The insulation material shall be Fletcher Insulation Pink® Batts Wall R _____ m²K/W (Material R-value) _____ (thickness) x _____ (width) x _____ (length) mm.

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Pink® Batts: Floor

Thermal insulation for residential flooring applications

Description

Pink® Batts are made from flexible and resilient glasswool for thermal and acoustic insulation of residential floors. Pink® Batts are available in various sizes to fit standard timber and steel joist spacings.

Application

Pink® Batts are the trusted choice when it comes to constructing new homes or retrofitting existing buildings for increased thermal efficiency. The Pink® Batts insulation range is available in various thermal R-values and dimensions ensuring there is an effective and efficient product solution for every application.

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

Physical Characteristics

Floor	Material R-value m² K/W	Nominal Thickness mm	Width mm	Length mm	Batts per pack	m² per pack	Coverage per pack m²	Packs per Bale	Product Code
	R2.5	90	430	1160	12	5.98	6.8	5	900263

Physical Properties

Property	Test Method/Standard	Result	Unit
Maximum Service Temperature	ASTM C411/C447	350	°C
Thermal Resistance	AS/NZS 4859.1:2002	Complies	m².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

Property	Test Method/Standard	Result
Combustibility	AS1530.1:1994	Non combustible
Ignitability Index	AS/NZS 1530.3:1999	0
Spread of Flame Index		0
Heat Evolved Index		0
Smoke Developed Index		1
BAL Compliance	AS3959:2018	Low – FZ

Acoustic Performance

Pink® Batts tested achieve the following Flow Resistivities when tested in accordance with ASTM C522-03.

	Thickness mm	90	
	R-Value	2.5	
Property	Test Method/Standard	Test Results	Unit
Airflow resistance of acoustic materials	ASTM C522-03	7930	Rayls/m

Health and Safety

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Environmental Properties

Fletcher Insulation avoids the use of Ozone Depleting Potential (ODP) substances in the manufacture or composition of its FBS-1 Glasswool Bio-Soluble Insulation® and Sisalation® reflective foil products.

The use of these Fletcher 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.

Technical Specification

When specifying, state the following:

The insulation material shall be Fletcher Insulation Pink® Batts Floor R2.5 m²K/W _____ (thickness) x _____ (width) x _____ (length) mm.

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