

Application

Pink® Batts® wall insulation is a lightweight flexible glass wool insulation product designed to:

- Thermally insulate timber and steel framed walls
- Fit easily in standard wall constructions, or be easily cut to fit in non standard constructions
- Meet the requirements of the New Zealand Building Code (NZBC) for different designs and environments

Features and Benefits

- Comfort – Reduces heat loss for a warmer home and absorbs sound for a quieter, more relaxing, home
- Cost Saving – A well-insulated home can save up to \$1,800¹ on energy bills annually
- Sustainability – Made locally from up to 80% recycled glass Pink® Batts® insulation reduces dependence on virgin materials and reduces emissions associated with the importing of overseas manufactured product
- Healthy Living – R-values up to 4.0 assist in keeping homes above 18°C as per the World Health Organisations recommendation for a healthy and comfortable home
- Product Safety – Pink® Batts® insulation is non-combustible and will not easily burn therefore creating a safer living environment
- Assurance – BRANZ appraised giving independent assurance of the 50 year durability requirements of the New Zealand Building Code

¹ (Department of Building and Housing, Your guide to a smarter home, 2008, p. 28)

Environment

Pink® Batts® insulation is a sustainable, energy efficient product.

- Manufactured using up to 80% recycled glass, making sustainable use of waste
- Energy used during the manufacture of Pink® Batts® products is offset by the energy saved by a home fully insulated with Pink® Batts® products within 3-15 months²
- Locally manufactured in Auckland and Christchurch, minimising shipping distances compared to imported products

Green Star New Zealand Credits

Green Star NZ is a comprehensive environmental rating system for buildings. Pink® Batts® insulation may contribute to points under Green Star New Zealand.

Environmental Choice

Higher R-value Pink® Batts® Wall insulation products have Environmental Choice New Zealand Accreditation (refer to the product specifications)

- Independently assessed for:

- Waste Minimisation: Recycled content, and recycling of process waste
- Energy Management: Effective energy management policies and procedures
- Manufacturing Process: Not manufactured using blowing agents with a global warming potential
- Product Characteristics: Durability and performance

While only the higher R-value products are eligible for Environmental Choice, all Pink® Batts® Thermal Insulation Products are manufactured in the same environmentally considerate way.

² (Beca Carter Hollings & Ferner Ltd, Energy Economics of Fibreglass Insulation, 2005)



Health & Safety

Product Safety

Pink® Batts® insulation is a non-hazardous, safe product.

- IARC (International Agency for Research on Cancer) classifies glass wool formulation used to manufacture Pink® Batts® products as Group 3: 'Not classifiable as to its carcinogenicity to humans'. This the same classification as caffeine, tea, hair colouring, chlorinated drinking water, saccharin
- Pink® Batts® insulation is bio-soluble. In the unlikely event any fibres are inhaled into the lungs they will dissolve in the body fluids and be cleared from the body



General Health

- Pink® Batts® insulation will assist in providing a healthy and comfortable home by maintaining the minimum temperature of 18°C recommended by the World Health Organisation
- Pink® Batts® insulation has been accepted into the Asthma and Respiratory Foundation of New Zealand's Sensitive Choice programme because of the benefit Pink® Batts® insulation provides to those suffering from asthma
- A Wellington School of Medicine study found insulated houses resulted in families with fewer sick days and the economic benefit was double the initial cost of the insulation³



³ (Howden-Chapman, P. et al. "Effect of insulating existing houses on health inequality: cluster randomised study in the community" British Medical Journal, 2007, p334:460)

Technical Data

Properties	Result		Test/Method/Standard	Test Results
Combustibility	Non-Combustible	✓	NZS/AS 1530.1:1994	
Flammability	Non-Flammable	✓	NZS/AS 1530.3:1993	
			Ignitability (Range 0-20)	= 0
			Spread of Flame Index (Range 0-10)	= 0
			Heat Evolved Index (Range 0-10)	= 0
			Smoke Developed Index (Range 0-10)	= 0-1
R-value	Various*	✓	AS/NZS 4859.1:2002	
Corrosion	Non-Corrosive	N/A	AS/NZS 4859.1:2002-Glasswool exempt	
Moisture Absorption	Non-Hygroscopic	N/A	AS/NZS 4859.1:2002-Glasswool exempt	
Vermin Resistance	No Food Source	✓	AS/NZS 4859.1:2002-Glasswool exempt	

* Refer to product specifications

Acoustic Properties

Pink® Batts® insulation will assist with noise control, however penetrations in walls will transmit sound readily. Superior noise control can be achieved by using Pink® Batts® insulation products in conjunction with good acoustic design.

New Zealand Building Code (NZBC) and Limitations

Pink® Batts® wall insulation when used, installed and maintained in accordance with the requirements outlined in this datasheet will meet or contribute to meeting the following provisions of the NZBC:

NZBC Clause B2: Durability

Meets the requirement NZBC B2.3.1 a) 50 years and NZBC B2.3.1 b) 15 years

NZBC Clause E2: External Moisture

Contributes to meeting these requirements

NZBC Clause E3: Internal Moisture

Contributes to meeting these requirements

NZBC Clause F2: Hazardous Building Materials

Meets this requirement and will not present a health hazard to people

Limitations

To meet the provisions of the NZBC as outlined in this datasheet, Pink® Batts® wall insulation MUST be:

- Installed and maintained in a dry protected environment
- Installed in a building where the provisions of NZBC E2 and E3 are met
- Installed to the requirements of NZS 4246:2006: Energy Efficiency-Installing Insulation in Residential Buildings

Pink® Batts® wall insulation should NOT be:

- Crushed or folded

Installation Instructions

Correct installation with no compression, gaps or folds is critical to ensure Pink® Batts® wall insulation performance is not compromised.

Safety:

Prior to installation check for all hazards that may cause injury. Carry out repair work without delay.

- Treat all electrical cables as live. Be careful not to cut or expose cables and wires
- Beware of other sharp objects (protruding nails, splinters etc)

Note: Seek professional advice if you are unsure how best to isolate the hazard or have a professional installer carry out the work on your behalf.

Equipment required:

- Protective loose fitting, long sleeved clothing
- Safety glasses
- Dust mask
- Rubber soled footwear
- Rubber faced gloves
- Step ladder
- Knife and cutting board

Installation:

Use only wall products for installing in wall applications, ceiling products are not suitable. However, wall products may be used in ceilings - particularly those with restricted space. (Please refer to Pink® Batts® Skillion Roof product data sheet for further information on insulation suitable for restricted roof cavities.) Refer to drawings/specifications where available for R-value selection.

- Ensure the product is installed dry. If the product is wet, replace it before installing
- Friction fit product between framing
- If cutting is required, cut oversize by 5-10mm to ensure a friction fit
- Ensure there are no gaps, folds or compression of product
- Fill gaps around windows and doors with off-cuts
- Do not cover vents. Insulate around vents to allow unhindered ventilation
- Fit insulation behind electrical wiring* and plumbing work. Partially cut insulation and place around wires or pipes if necessary

***CAUTION:** Electrical cables and equipment partially or completely surrounded with bulk thermal insulation may overheat and fail. This applies to wiring installed prior to 1989.

Wall

PINK[®] BATTS[®] WALL INSULATION

PRODUCT DATA SHEET

Specification Notes

State the following:

Product Required: Pink[®] Batts[®] wall insulation and required R-value

Product Specifications

	BRANZ APPRAISED	ENVIRONMENTAL CHOICE	CODE	SIZE (mm)	NOMINAL STABILISED THICKNESS (mm)	NOMINAL TOTAL AREA PER PACK (m2)	APPROX COVERAGE PER PACK* (m2)
Pink [®] Batts [®] R1.8 Wall	✓		7120118	1140 X 580	90	17.2	19.6
Pink [®] Batts [®] R2.2 Wall	✓		7120122	1140 X 580	90	13.9	15.8
Pink [®] Batts [®] R2.4 Wall	✓		7120124	1140 X 580	90	13.9	15.8
Pink [®] Batts [®] Ultra [®] R2.6 Wall	✓	✓	7120126	1140 X 580	90	9.9	11.3
Pink [®] Batts [®] Ultra [®] R2.8 Wall	✓	✓	7120128	1140 X 580	90	6.6	7.5
Pink [®] Batts [®] R3.2 140mm Wall	✓		7120132	1140 X 580	140	9.9	11.3
Pink [®] Batts [®] R3.6 140mm Wall	✓		7120136	1140 X 580	140	7.3	8.3
Pink [®] Batts [®] R4.0 140mm Wall	✓		7120140	1140 X 580	140	5.3	6.0

*Coverage relates to standard structure and actual coverage may vary.

Storage and Maintenance

Pink[®] Batts[®] insulation must be protected from damage and weather. Store under cover in clean dry conditions. The installed product must remain dry at all times. If the product has become wet or damp, the source of the dampness (e.g. leak in plumbing) must be repaired immediately and insulation replaced with new product of an equivalent R-value.

Accreditations/Appraisals/Certifications



Tasman Insulation
New Zealand Ltd Certified QMS



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