

## Wall

### PINK® BATTES® WALL INSULATION

### PRODUCT DATA SHEET

#### 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

- High R-values – R-values up to R4.0 to assist in keeping homes above 18°C as per the World Health Organisations recommendation for a healthy and comfortable home
- Easy to install – Lightweight, flexible and simple design makes the installation fast and easy
- Internationally certified for Indoor Air Quality – Gives assurance that products meet strict chemical emissions limits
- Non-combustible – will not easily burn in the event of a fire
- Made from over 80% recycled glass – saving the equivalent to a window the size of 60 football fields from NZ landfill
- Made in New Zealand – designed for New Zealand building conditions and reduces emissions associated with the importing of overseas manufactured product

#### Environment

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

- Manufactured using over 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 months<sup>1</sup>
- 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 the following points under Green Star. Further information is available at [www.nzgbc.org.nz](http://www.nzgbc.org.nz)

#### 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 (GWP) or Ozone Depleting Potential (ODP)
- 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.

<sup>1</sup> (Beca Carter Hollings & Ferner Ltd, Energy Economics of Fibreglass Insulation, 2005)



This data sheet may have been superseded. Please refer to [www.pinkbatts.co.nz](http://www.pinkbatts.co.nz) or call 0800 PINK BATTES (746 522) for the most current information.

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**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 is 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



**Indoor Air Quality**

- Pink® Batts® insulation is both Finnish RTS M1certified and North American GREENGUARD Indoor Air Quality Certified®. Being certified for indoor air quality gives an assurance that products meet strict chemical emissions limits (including minimal levels of VOCs and Formaldehyde), to help create healthier indoor environments.



**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
- 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 insulation<sup>2</sup>



<sup>2</sup> [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	Group Number 1S	
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*
Corrosion	Non-Corrosive	N/A	AS/NZS 4859.1:2002-Glass wool exempt		
Moisture Absorption	Non-Hygroscopic	N/A	AS/NZS 4859.1:2002-Glass wool exempt		
Vermin Resistance	No Food Source	✓	AS/NZS 4859.1:2002-Glass wool 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.

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#### 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:

<b>NZBC Clause B2:</b>	<b>Durability</b> Meets the requirement NZBC B2.3.1 a) 50 years and NZBC B2.3.1 b) 15 years
<b>NZBC Clause C1 - C6:</b>	<b>Protection from Fire</b> Contributes to meeting these requirements
<b>NZBC Clause F2:</b>	<b>Hazardous Building Materials</b> Meets this requirement and will not present a health hazard to people
<b>NZBC Clause H1:</b>	<b>Energy Efficiency</b> Contributes to meeting this requirement

#### 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.

- Ensure there is adequate lighting to identify any hazards
- Treat all electrical cables as live
  - Repair damaged, exposed or hanging cables immediately
  - Be careful not to cut or expose cables and wires
- Beware of other sharp objects (protruding nails, splinters etc.), pests (bees and wasps), loose boards and pipe work

**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.**

We can recommend professional installers throughout New Zealand who guarantee installation to NZS 4246:2006. Go to [www.pinkbatts.co.nz](http://www.pinkbatts.co.nz) or call 0800 PINK BATTs (746 522) to locate an installer in your region.

#### Equipment required:

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

#### 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

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## PINK<sup>®</sup> BATTS<sup>®</sup> WALL INSULATION

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### Installation Instructions continued...

- 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.

### Specification Notes

#### State the following:

Product Required: Pink<sup>®</sup> Batts<sup>®</sup> wall insulation and required R-value

#### Product Specifications

	BRANZ APPRAISED	ENVIRONMENTAL CHOICE	GREENGUARD IAQ CERTIFIED	CODE	SIZE (mm)	NOMINAL STABILISED THICKNESS* (mm)	NOMINAL TOTAL AREA PER PACK (m <sup>2</sup> )	APPROX COVERAGE PER PACK** (m <sup>2</sup> )
Pink <sup>®</sup> Batts <sup>®</sup> R1.8 Wall	✓		✓	7120118	1140 X 580	90	17.2	19.6
Pink <sup>®</sup> Batts <sup>®</sup> R2.2 Wall	✓		✓	7120122	1140 X 580	90	13.9	15.8
Pink <sup>®</sup> Batts <sup>®</sup> R2.4 Wall	✓		✓	7120124	1140 X 580	90	10.6	12.1
Pink <sup>®</sup> Batts <sup>®</sup> Ultra <sup>®</sup> R2.6 Wall	✓	✓	✓	7120126	1140 X 580	90	9.9	11.3
Pink <sup>®</sup> Batts <sup>®</sup> Ultra <sup>®</sup> R2.8 Wall	✓	✓	✓	7120128	1140 X 580	90	6.6	7.5
Pink <sup>®</sup> Batts <sup>®</sup> R3.2 140mm Wall	✓	✓	✓	7120132	1140 X 580	140	9.9	11.3
Pink <sup>®</sup> Batts <sup>®</sup> R3.6 140mm Wall	✓	✓	✓	7120136	1140 X 580	140	7.3	8.3
Pink <sup>®</sup> Batts <sup>®</sup> R4.0 140mm Wall	✓	✓	✓	7120140	1140 X 580	140	5.3	6.0
Pink <sup>®</sup> Batts <sup>®</sup> R2.2 Narrow Wall	✓		✓	7120123	1140 X 380	90	9.5	11.2
Pink <sup>®</sup> Batts <sup>®</sup> R2.6 Narrow Wall	✓	✓	✓	7160207	1140 X 380	90	7.8	9.2
Pink <sup>®</sup> Batts <sup>®</sup> Steel R2.2 Wall	✓		✓	7160214	1220 X 610	90	15.6	15.6
Pink <sup>®</sup> Batts <sup>®</sup> Steel R2.6 Wall	✓	✓	✓	7160215	1220 X 610	90	9.7	9.7

\* Stated thicknesses are values at which stated R-values are achieved and are likely to be minimum values.

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

### Storage and Maintenance

Pink<sup>®</sup> Batts<sup>®</sup> 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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