

PINK® BATTS® POLYESTER INSULATION

Application

Pink® Batts® Polyester insulation is made from thermally bonded polyester fibres and helps you to create a warmer home in winter and a cooler home in summer. It is designed to:

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

Features and Benefits

- Recycled content – Up to 70% recycled polyester fibres made from plastic bottles
- Made in New Zealand – designed for New Zealand building conditions
- Safe and easy to work with

Environment

Pink® Batts® Polyester Products:

- Contain up to 70% recycled polyester fibres. The recycled fibres come from recycled plastic bottles reducing landfill waste
- Participating in Declare - Pink® Batts® Polyester is Red List Free
- Does not contain any additional chemical binder

Health and Safety

Product Safety

Pink® Batts® Polyester insulation is a safe and non-toxic product.

General Health

Pink® Batts® insulation will assist in meeting the World Health Organisation (WHO) recommendation for houses to be maintained at a minimum temperature of 18°C to provide a healthy and comfortable home.

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.¹

¹ 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

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Technical Data

Properties	Test / Method / Standard	Test Results
Fire Tests	AS/NZS 1530 Part 3	
	- Ignitability (Range 0-20)	0
	- Spread of flame (Range 0-10)	0
	- Heat Evolved Index (Range 0-10)	0
	- Smoke Developed Index (Range 0-10)	3
Fire Hazard Testing – Glowing/Hot wire based test methods	AS/NZS 60695.2.11	Passed
Fire Hazard Testing – Needle Flame test	AS/NZS 60695.11.15	Passed
VOC Emission Safe ²	Total VOC ≤ 0.5mg/m ³	< 0.005mg/m ³ - level below detection ³
	Formaldehyde ≤ 0.06mg/m ³	< 0.009mg/m ³ - level below detection ³
Non Corrosive	AS/NZS 4859.1	Alkalinity of pH 7.8
Vermin Resistant	N/A	

² Pink® Batts® polyester insulation has been tested under ASTM D5116 by Cetec Pty for low emitting products. Based on test results for a product with similar nominal weight.

³ All individual VOCs were less than their threshold limit values. Carcinogens and reproductive toxins were not identified as part of the VOCs

New Zealand Building Code (NZBC) and Limitations

Pink® Batts® Polyester 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 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

NZBC Clause H1: Energy Efficiency

Contributes to meeting this requirement

Limitations

To meet the provisions of the NZBC as outlined in this datasheet, Pink® Batts® Polyester 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 4246:2016: Energy Efficiency-Installing bulk thermal Insulation in Residential Buildings
- Pink® Batts® polyester insulation should NOT be crushed unless otherwise stated

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Specification Notes

PRODUCT	PRODUCT CODE	SIZE (mm)	NOMINAL STABILISED THICKNESS (mm)	NOMINAL TOTAL AREA PER BALE (m ²)	APPROX. COVERAGE PER BALE (m ²)
FLOOR - Thermal Insulation					
Pink® Batts® Polyester R1.5 Underfloor 450mm	711897	11110 x 450	100	20.0	20.4
Pink® Batts® Polyester R1.5 Underfloor 510mm	711898	9804 x 510	100	20.0	20.4
Pink® Batts® Polyester R1.5 Underfloor 600mm	711899	11110 x 600	100	20.0	20.1

Accreditations/Appraisals/Certifications



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