



DATA SHEET – POLYMAX THERMAL BATTS

Polymax Thermal Batts:

- Thermally bonded polyester fibre insulation designed to save energy and therefore reduce heating and cooling costs by more than 60% in Australian homes year round.
- Can reduce winter heat loss and summer heat gain by 7°C when correctly installed.
- Complies with AS 4859.1 R-Values quoted are for the insulation material only.
- Non-irritant and does not require any protective clothing or masks during installation.
- Odourless and contains no harmful volatile organic compounds (VOC).

Applications

Polymax Thermal Batts are designed to suit a wide range of building applications – i.e. roofs, walls and ceilings.

They provide excellent thermal insulation with the added benefit of reduced noise transmission between rooms and floors as well as external noise from traffic and aircraft. For specific acoustic applications refer to the **Polymax Acoustic Design Guide**.

Environmental benefits

Polymax Thermal Batts is manufactured from thermally bonded polyester fibre with a minimum of 80% recycled fibre content from post-consumer PET packaging such as empty drink bottles. The product is 100% recyclable and has very high reuse potential as insulation.

- No chemicals or phenol formaldehyde resin binders are used in manufacture.
- Odourless and contains no harmful volatile organic compounds (VOC).
- No waste is generated in manufacture.
- No water or ozone-depleting gases are used in manufacture.
- No chlorides are present in the product.
- Martini's product stewardship programme can be viewed at www.polymaxinsulation.com.au
- Suitable for use in Green Star™ projects.





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Physical properties and description

Volatiles:	Nil									
Specific Gravity:	1.38									
Flash Point:	None allocated									
Other Properties:	Non-allergenic, low irritant, low flame response, resilient									
Ingredients:	Organic, long chain synthetic polymer									
Max Service Temp:	150°C									
Alkalinity:	pH 7.8 (pH 7 is neutral)									
Moisture Absorption:	Exposure to an atmosphere of 50°C & 95% RH for four days gives moisture absorption of less than 0.2% by volume									
Fire Resistance	The following results were obtained when Martini Industries Polymax was subjected to early fire hazard testing in accordance with Australian Standards AS 1530.3. Polymax meets all requirements of the BCA for all insulation applications	<table border="1"> <tr> <td>Ignitability</td> <td>0</td> </tr> <tr> <td>Spread of Flame</td> <td>0</td> </tr> <tr> <td>Heat Evolved</td> <td>0</td> </tr> <tr> <td>Smoke Developed</td> <td>0-1</td> </tr> </table>	Ignitability	0	Spread of Flame	0	Heat Evolved	0	Smoke Developed	0-1
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Thermal performance and pack specifications

R-Value	Thickness mm	Size mm	Batts per pack	M ² per pack
R1.5	90	1160 x 430	16	8.0
R1.5	90	1160 x 580	16	10.8
R2.0	120	1160 x 430	12	6.0
R2.0	120	1160 x 580	12	8.1
R2.5	140	1160 x 430	8	4.0
R2.5	140	1160 x 580	8	5.4
R3.0	180	1160 x 430	8	4.0
R3.0	180	1160 x 580	8	5.4
R3.5	200	1160 x 430	8	4.0
R3.5	200	1160 x 580	8	5.4
R4.0	210	1160 x 430	6	3.0
R4.0	210	1160 x 580	6	4.0

Disclaimer: The information in this brochure is believed to be true at the time of publication. Martini Industries Pty Ltd reserves the right to change specifications without notice, and have no obligation or liability for persons misrepresenting or misusing this information in any manner whatsoever.

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