



DATA SHEET – POLYMAX BUILDING BLANKET

Polymax Building Blanket is thermally bonded polyester fibre insulation with a reflective foil laminate to provide a vapour barrier to condensation in walls, metal roofs and concrete slab roofs

Applications

Polymax Building Blanket is specifically designed for use in metal roofing and cladding applications and is particularly well suited to concealed clip fixed metal roofing and cladding systems.

Due to its durability the product will not deteriorate over time. However, this durability requires that specific screw fixing methods need to be employed for pierced fixed metal roofing and cladding systems – contact Martini Industries for more information.

Polymax Building Blanket also provides noise dampening performance from rain noise, traffic and aircraft. For specific acoustic applications refer to the **Polymax Acoustic Design Guide**.

Environmental benefits

Polymax Building Blanket 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="0"> <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

Facing	R-Value	Thickness mm
Plain	R0.8	50
Plain	R1.1	75
Plain	R1.5	100
Foiled	R1.0*	50
Foiled	R1.3*	75
Foiled	R1.7*	100

*Includes R0.2 for foil facing down in a standard commercial application without a ceiling (i.e. warehouse).

The product can be made to order with specific R-Values and thicknesses. Contact Martini Industries Pty Ltd for details.

Pack specifications

Width mm	Length m	Thickness mm	M ² per pack
1200	15	50	18
1200	15	75	18
1200	10	100	12

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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