



DATA SHEET – POLYMAX FLOOR

Polymax Floor is a user-friendly environmentally sustainable insulation product specifically developed for new and existing suspended ground floors. No personal protective clothing masks or gloves are required when handling and installing. For enhanced acoustic performance for intermediate floors in two storey dwellings please refer to the **Polymax Acoustic Floor** data sheet.

Polymax Floor complies with AS 4859.1 and is an effective thermal insulation which not only provides thermal performance but is also designed to prevent draughts entering from under the building.

Environmental benefits

Polymax Floor and all Polymax Insulation products are manufactured from thermally bonded polyester fibre, the same type of fibre used in bedding and clothing manufacture. A minimum of 80% of the fibre used in Polymax is made 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

Standard sizes and packaging

Material R-Value	Thickness mm	Length m	Width mm	Rolls per pack	Square metres per pack
R1.5	90	15	430	3	19.35
R2.0	120	12	430	3	15.48
R2.5	140	10	430	3	12.90





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Physical description and properties

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 (pH7 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 Standard AS 1530.3.	<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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Polymax is fire resistant and meets all requirements of the National Construction Code for all insulation applications in all building classes.

Installation

Polymax Floor meets and exceeds the minimum requirements of the National Construction Code and AS 4859.1 when installed in accordance with AS 3999.

Polymax Floor is easily installed between floor joists requiring no personal protective clothing, masks or gloves when handling and installing. The roll comes in a width of 430mm and is designed to fit tightly between the floor joists.

The material can easily be torn to length across the width of the roll.

The material will stay in place when friction fitted between the joists. Staple or nail along each edge of the roll every 300mm to hold the material firmly in place. Corrosion-resistant staples or nails are recommended.

Clearance above the material should be left for thickness recovery. The material will reach its fully recovered thickness within four weeks of installation. Care should be taken not to damage electrical wiring when stapling. A suitable clearance should be left around electrical wiring which was installed prior to 1989.

200mm clearance must be left around any light fittings or heating flues.

We recommend that reflective sarking be fitted, by nailing or stapling directly to the underside of floor joists, to cover the entire area. This will give additional support to the material as well as providing extra draught control. Sarking should be installed with the reflective side facing down.

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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