

DATA SHEET – POLYMAX MAB

Polymax MAB (Martini Acoustic Blanket) is designed to provide acoustic and thermal performance in commercial and industrial applications. Please refer to the **Polymax Acoustic Design Guide** for specific sound absorption and thermal performance applications.

Manufactured in a range of densities from 14kg per m³ to 48kg per m³ and thicknesses from 25mm to 100mm.

Available in standard white colour or black if required.

Applications

Polymax MAB can be used behind perforated paneling and ceilings designed to reduce echo in a single space such as sports halls, cinemas, studios, industrial enclosures, HVAC ducts, silencers or plant rooms.

Polymax MAB is also recommended as a cavity infill where noise separation through walls and ceilings is required.

Polymax MAB can also be laid above suspended ceilings to reduce flanking noise between rooms.

Environmental benefits

Polymax MAB 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.

Acoustic performance and pack specifications

Product	Thickness mm	Density kg/m ³	Size mm	GSM	NRC
MAB 14/25*	25	14	2400 x 1200	350	0.55
MAB 14/50*	50	14	2400 x 1200	700	0.65
MAB 14/75*	75	14	2100 x 1200	1050	0.72
MAB 14/100*	100	14	2100 x 1200	1400	0.78
MAB 20/25*	25	20	2400 x 1200	500	0.60
MAB 20/50*	50	20	2400 x 1200	1000	0.75
MAB 20/75*	75	20	2400 x 1200	1500	0.75
MAB 20/100*	100	20	2400 x 1200	2000	0.85
MAB 25/25	25	25	2400 x 1200	625	0.65
MAB 25/50	50	25	2400 x 1200	1250	0.85
MAB 25/75	75	25	2400 x 1200	1875	0.90
MAB 25/100*	100	25	2400 x 1200	2500	0.96
MAB 32/13*	13	32	2400 x 1200	400	0.46
MAB 32/25	25	32	2400 x 1200	800	0.65
MAB 32/50	50	32	2400 x 1200	1600	0.95
MAB 32/75	75	32	2400 x 1200	2400	1.05
MAB 32/100	100	32	2400 x 1200	3200	1.10
MAB 48/13*	13	48	2400 x 1200	620	0.48
MAB 48/25*	25	48	2400 x 1200	1200	0.70
MAB 48/50*	50	48	2400 x 1200	2400	0.99
MAB 48/100*	100	48	2400 x 1200	4800	1.14

*Acoustic performance based on empirical data and expert opinion

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Physical description and properties

Melting Point:	Not applicable									
Vapour Pressure:	Not applicable									
Volatiles:	Nil (VOC) volatile organic components									
Ozone-Depleting Potential:	Nil ozone-depleting materials used in manufacture									
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.	<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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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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