POLYMAX™ Premium Insulation

MSB

Acoustic insulation *for commercial partition walls & ceilings*

DATA SHEET – POLYMAX MSB

Polymax MSB (Martini Sound Blanket) is designed to increase the acoustic performance in commercial and industrial applications. Manufactured in a range of densities and thicknesses to suit.

Applications

Polymax MSB is ideal for use in plasterboard partition walls and suspended ceilings in offices and institutions such as education, healthcare and civic buildings. Installed in partition walls, MSB provides excellent sound transmission reduction and thermal performance, reducing heat transfer between rooms.

Polymax MSB can also provide acoustic performance for multi-residential wall systems, which are governed by minimum standards of acoustic privacy mandated by the Building Code of Australia (BCA). For specific acoustic applications refer to the **Polymax Acoustic Design Guide**.

Acoustic Performance

A performance increase of up to 9 Rw points can be achieved with the inclusion of MSB in the wall cavity. An increase of one Rw point is equivalent to a reduction of one decibel in sound transmission. For more detailed information refer to the **Polymax Acoustic Design Guide**.

Typical plasterboard wall system comprising 13mm **standard plasterboard** either side of steel studs at 64mm

MSB 2	MSB 3	MSB 4	MSB 5
Rw 41 Rw+ctr 33	Rw 41 Rw+ctr 33	Rw 42*	Rw 43*

Typical plasterboard wall system comprising 13mm **Fire Rated plasterboard** either side of steel studs at 64mm

MSB 2	MSB 3	MSB 4	MSB 5
Rw 44 Rw+ctr 35	Rw 44 Rw+ctr 35	Rw 44*	Rw 45*

*Acoustic performance based on empirical data and expert opinions

Environmental benefits

Polymax MSB 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.

soundblock SOLUTIONS | solving your noise problems

SOUNDBLOCK SOLUTIONS

T: +61 2 9327 7410
E: enquiry@soundblock.com.au
W: www.soundblock.com.au

POLYMAX™ Premium Insulation

MSB

Acoustic insulation *for commercial partition walls & ceilings*

DATA SHEET – POLYMAX MSB

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 (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

Ignitability	0
Spread of Flame	0
Heat Evolved	0
Smoke Developed	0-1

Thermal performance to AS 4859.1

MSB 2	MSB 3	MSB 4	MSB 5	MSB 6
R 0.8*	R 1.0*	R 1.2*	R 1.4*	R 1.7*

*Calculated

Pack specifications

Product	Recovered thickness mm	Size mm	Qty per pack	M² per pack
MSB2	50	1630 x 450	4	29.34
MSB2	50	1630 x 610	3	29.83
MSB3	65	1630 x 450	4	29.34
MSB3	65	1630 x 610	3	29.83
MSB4	75	1630 x 450	4	29.34
MSB4	75	1630 x 610	3	29.83
MSB5	85	1360 x 450	4	24.48
MSB5	85	1360 x 610	3	24.88
MSB6	100	1360 x 450	2	12.24
MSB6	100	1360 x 610	2	16.59

soundblock SOLUTIONS | solving your noise problems

SOUNDBLOCK SOLUTIONS

T: +61 2 9327 7410
E: enquiry@soundblock.com.au
W: www.soundblock.com.au