martini

Martini MSB

Acoustic insulation for commercial wall and ceiling cavities

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CSR

Martini MSB

- MSB is designed to increase the acoustic performance of partition walls and ceilings in commercial applications.
- Non-irritant and does not require any protective clothing or masks during installation.
- Available in standard white colour. Black or grey available upon request.

Applications

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.

For specific acoustic applications refer to the Martini Acoustic Design Guide.

Environmental Benefits and Credentials

Manufactured from thermally bonded polyester fibre with up to 80% recycled fibre content from post-consumer PET packaging such as empty drink bottles.

- GreenTag^{CertTM} certified
- Environmental Product Declaration (EPD) Certified in accordance with ISO 14025
- Product Health Declaration (PHD) certified
- Declare certified
- Suitable for Green Star™ projects
- No red list chemicals are present
- No ozone-depleting gases are used during the manufacturing process
- Volatile organic compounds (VOCs) generated in the manufacturing process is classified as low (0.01 mg/m^3)s
- Safe, non-irritant, non-toxic, and non-allergenic
- Products are 100% recyclable
- High reuse potential

Martini's Product Stewardship Program can be viewed at www.csrmartini.com.au

Acoustic Performance

A performance increase of up to 9 Rw points can be achieved with the inclusion of MSB in the wall cavity. Anincrease of one Rw point is equivalent to a reduction of one decibel in sound transmission. For more detailed information refer to the Martini 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
R_w 41, $R_w + C_{tr}$ 33	R_w 41, $R_w + C_{tr}$ 33	R_w 42*	R_w 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
R_w 44, $R_w + C_{tr}$ 35	R_w 44, $R_w + C_{tr}$ 35	R_w 44*	R_w 45*

*Acoustic performance based on empirical data and expert opinions

Thermal Performance

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 value

Pack Specifications

Product	Recovered thickness (mm)*	Size (m x mm)	Rolls /pack	m^2 /pack	Code
MSB2	50	16.3 x 450	3	22.0	127818
MSB2	50	16.3 x 610	2	19.8	126343
MSB3	65	16.3 x 450	3	22.0	127819
MSB3	65	16.3 x 610	2	19.8	126344
MSB4	75	16.3 x 450	3	22.0	127820
MSB4	75	16.3 x 610	2	19.8	126345
MSB5	85	13.6 x 450	3	18.3	127821
MSB5	85	13.6 x 610	2	16.5	126346
MSB6	100	13.6 x 450	2	12.2	129187
MSB6	100	13.6 x 610	2	16.5	126347

*Product thickness recovery time can vary depending on length of time in compressed packaging and air temperature.

Physical description and properties

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 and 95% RH for four days gives moisture absorption of less than 0.2% by volume

Fire resistance:

Variations marked # Tested to AS ISO 9705 Corner Burn in accordance with AS 5637.1	**Group 1** SMOGRA not more than $100m^2/s^2$ x 1000	
The following results were obtained when CSR Martini Absorb Soffit was subjected to early fire hazard testing in accordance with Australian Standards AS 1530.3	Ignitability	0
	Spread of Flame	0
	Heat Evolved	0
	Smoke Developed	0-1

What you need

Tools

Sharp knife and cutting board. Blanket can be torn to size or cut with industrial scissors

For ceilings

- Step Ladder, torch or lamp and kneeling board.
- Non electrical conductive insulation poker (poker can be made using 25mm rod one metre long and two nails about 25mm and 100mm from one end).

For walls

- Polypropylene string.
- Staple gun and staples.

Basic rules for ceiling

- Take enough packs into the roof for the whole job.
- Purchase 430mm Insulation from 450mm joint centres and 580mm insulation for 600mm centres.
- Stand on ceiling joists only
- Ensure kneeling board is positioned over at least two ceiling joists.
- Start laying insulation from the furthest point from the manhole.
- Do not block ventilation openings – leave 50mm clearance around chimney from your heater.
- Please refer to plasterboard manufacturers for maximum ceiling load.

Laying Bradford Polymax Ceiling Insulation

- Lay insulation between ceiling joists using the poker to push them into limited access areas.
- Do not leave any gaps between the insulation.
- Fit Insulation tightly between joists, but do not compress insulation.
- Push insulation out towards eaves so the end of the first segment is 50mm into the wall plate.
- Insulation must not be installed in contact with down lights recessed into ceilings.
- To meet AS3999 in Australia homes a clearance of 200mm must be provided around the perimeter of the fitting to help heat dissipation, however the clearance should be as close to 200mm as possible to ensure maximum insulation performance.
- To meet NZ4246.1 in New Zealand homes a clearance of 200mm must be provided around the perimeter of the fitting to help heat dissipation, however the clearance should be as close to 200mm as possible to ensure maximum insulation performance.

Electric cables and equipment

- Electric cables and equipment partially or completely covered may overheat and fail.
- Lay insulation with electrical wiring and equipment, such as transformers on top. For excessive runs covered by insulation seek advice from an electrician as to whether cardboard spacers or similar would be required to allow air circulation.
- Lay insulation with electrical wiring and equipment, such as transformers, on top. For excessive runs covered by insulation seek advice from an electrician as to whether cardboard spacers or similar would be required to allow air circulation.
- Electrical wiring must not be completely surrounded by insulation without prior approval from a licenced electrical contractor. Partially surrounding of electrical wiring is acceptable if the wiring has been done in compliance with AS/NZS3000 post 1984.

Installing insulation in brick veneer constructions

- Friction fit Bradford insulation in wall cavities. Do not use Insulation thicker than the stud depth.
- For external walls, stringing is recommended when installing Bradford Polymax Wall Insulation to ensure the insulation cannot bridge the cavity. This is not required if a wall wrap has been fixed to the wall frame.
- Start at the underside of the top pate, 75mm in from the vertical stud.
- Staple polypropylene string to the underside of the top plate as far back as thickness of the insulation.
- Drop the string to the top of the nogging, tensioning before stapling.
- Run the string towards yourself and turn it to the underside of the nogging staple.
- Drop the string to the bottom plate, tensioning before stapling.

Important Information

- After unpacking, the products are designed to achieve its normal stabilised thickness within 72 hours of installation.
- The performance of this product may be reduced if stored for too long in its compression packaging.
- The total R-Value depends on installation and may be greater than or less than the R-Value of the product.
- The material R-Value represented on this pack was determined at a mean temperature 23 degrees for products sold in Australia and 15 degrees for products sold in New Zealand, as per AS/NZS 4859.1
- The material R-Value is independent of the heat flow direction (the same R-Value is achieved in summer and winter conditions).

csrmartini.com.au

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