

Acoustic Wall Sections

Mammoth high performance acoustic sections manage sound in residential and commercial buildings.

Mammoth® acoustic wall sections manage sound around bathrooms, bedrooms, entertainments systems and offices. High performance acoustic wall sections, they are designed to reduce sound transmission at all frequencies and perform as an acoustic infill material by providing sound absorption within the cavity.

Mammoth products contain recycled polyester fibres. Mammoth acoustic wall section insulation uses up to 15,600 recycled PET plastic bottles per 100sqm*.

Mammoth's acoustic range also includes [Wall Blankets](#), [Bafflestack](#) for between floors, [Panel Absorber](#) and [Duct Liner](#) Insulation.

PRODUCT RANGE					PACK SIZES			
			Density (kg/m3)	GSM	Nominal thickness (mm)	Dimensions (mm)	Pieces per pack	Area per pack (m2)
Mammoth 1000 *			12.5	1000	80	560 x 760	7	2.98
Acoustic R1.9	✓	✓	16.67	1500	90	360 x 760	9	2.46
Acoustic R1.9	✓	✓	16.67	1500	90	560 x 760	6	2.55
Acoustic R2.0	✓	✓	22.22	2000	90	360 x 760	9	2.46
Acoustic R2.0	✓	✓	22.22	2000	90	560 x 760	6	2.55
Acoustic R2.2	✓	✓	26.67	2400	90	360 x 760	9	2.46
Acoustic R2.2	✓	✓	26.67	2400	90	560 x 760	6	2.55
Acoustic R2.5	✓	✓	40.00	3600	90	360 x 760	9	2.46
Acoustic R2.5	✓	✓	40.00	3600	90	560 x 760	6	2.55
Acoustic R2.8	✓	✓	15.00	2100	140	360 x 760	18	4.92
Acoustic R2.8	✓	✓	15.00	2100	140	560 x 760	12	5.10
Acoustic R3.2	✓	✓	20.70	2900	140	360 x 760	18	4.92
Acoustic R3.2	✓	✓	20.70	2900	140	560 x 760	12	5.10
Acoustic R3.6	✓	✓	25.71	3600	140	360 x 760	18	4.92
Acoustic R3.6	✓	✓	25.71	3600	140	560 x 760	12	5.10

KEY FEATURES

- High performance semi-rigid 100% polyester airway sections providing thermal and acoustic benefits for residential and commercial applications. Effective at absorbing noise to create quieter environments. Mammoth acoustic products reduce sound transmission at all frequencies.
- Mammoth products contain recycled polyester fibres. Mammoth acoustic wall section insulation uses up to 15,600 recycled PET plastic bottles per 100sqm (based on 500ml PET Bottles (16.2g)).
- Sections can easily be cut using wide blade craft knives or specialised insulation saws. Mammoth sections come in pre-cut sections of varying widths and lengths.
- Easy and safe to install - simply squeezes between joists with no need for staples.
- Safe, non-itch, odourless and non-toxic - no precautions are required for handling the product.
- Heat bonded - no glues or binders that can break down so it won't sag or settle over time.
- Self-supporting for a smooth friction fit without creases, folds or tucks.
- Unaffected by moisture, Mammoth insulation will continue to perform once dried out. Mammoth is moisture, mould and mildew resistant.
- Red List Free - no formaldehyde or pesticides added.
- Mammoth wall sections are BRANZ Appraised (excluding Wall 1000). Eco Choice Aotearoa (prev. Environmental Choice) certified and NZ Green Building Council approved.
- 90 Year Warranty - long lasting, Mammoth insulation is performance warranted for 90 years (T&Cs apply).
- Mammoth products are made in a zero waste production process and are fully recyclable.
- Recycling plastic protects the environment by keeping the carbon content locked up in the polyester fibre and reducing landfill waste.
- Mammoth insulation products manufactured from 100% polyester have an Ozone Depleting Potential (ODP) of zero.

TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
New Zealand Building		
✓ Durability	Clause B2.3.1 (a) (b)	Ref: BRANZ Appraisal No 797 ¹
✓ Internal Moisture	Clause B2.3.2	Ref: BRANZ Appraisal No 797 ¹
✓ Hazardous Building Materials	Clause E3.3.1	Ref: BRANZ Appraisal No 797 ¹
✓ Energy Efficiency	Clause F2.3.1	Ref: BRANZ Appraisal No 797 ¹
	Clause H1.3.1(a)	
	Clause H1.3.2 E	Ref: BRANZ Appraisal No 797 ¹
Product Safety		
✓ Non Toxic	OSH Health and Safety Guidelines ²	Polyester products are 'non-toxic'
✓ Non Irritant	OSH Health and Safety Guidelines ²	Polyester products are 'non-irritant'
✓ Respiratory Safe		Polyester fibres are non-respirable
✓ Fire Test ³	ISO9705	Group1S (Excludes R2.0 70mm and R3.6)
	AS/NZS60695.2.11	Passed - Glow wire flammability test
	AS/NZS60695.11.5	Passed - Test flames (Needle-flame test)
✓ VOC Emission Safe ⁴	Total VOC ≤ 0.5mg/m ⁴	< 0.005mg/m ⁴ - level below detection ⁵
	Formaldehyde ≤ 0.06mg/m ⁴	< 0.009mg/m ⁴ - level below detection
✓ Glue Free		Free from all glues
Other		
✓ Non Corrosive	ASTM C1104	Alkalinity of pH 7.8
✓ Moisture resistant ⁶		Absorption rate of less than 0.2% by weight
✓ Vermin Resistant		Not a food source for vermin (and not treated)
✓ Odourless		Mammoth is odourless and will not absorb odours

(1) Meet or contribute to these provisions when designed, used, installed and maintained in accordance with BRANZ Appraisal 797 or 801.

(2) Occupational Safety and Health Service. Health and Safety Guidelines for the Selection and Safe Handling of Synthetic Mineral Fibres, Dept of Labour, 1994.

(3) Can safely cover IC-rated downlights. If luminaire rating is unknown, minimum clearance of 100mm to any insulation is required.

(4) Mammoth has been tested under ASTM D5116. Based on test results for a product with similar nominal weight.

(5) All individual VOCs were less than their threshold limit values. Carcinogens and reproductive toxins were not identified as part of the VOCs.

(6) If the products should become wet the full thermal performance will be restored once the product is dried completely.

INSTALLATION & WARRANTY

Installation

Mammoth Acoustic Wall Insulation must be installed according to the manufacturer's guidelines and in accordance with NZS 4246 (Energy Efficiency - Installing Insulation in Residential Buildings). Installation Instructions for Mammoth Wall Insulation can be found at www.mammoth.co.nz/downloads. Contact us on 0800 MAMMOTH for more details.

90 Year Warranty

InZone Industries Holdings Ltd (InZone) manufactures Mammoth® 100% polyester insulation products in New Zealand which are designed to provide long-lasting, durable thermal and acoustic insulation. InZone warrant that, provided the polyester insulation is installed correctly and remains adequately protected, Mammoth will perform for 90 years in the building in which it is installed. This 90 Year Manufacturer's Warranty covers insulation material durability when installed in accordance with the manufacturers installation instructions and NZ4246: Energy Efficiency - Installing insulation in residential buildings. Download our Mammoth Insulation Warranty [here](#).

BRANZ Appraised

Some Mammoth Wall Sections Blankets have been appraised by BRANZ and are covered by BRANZ Appraisal 797.

Correct as at 10 September 2026