

Acoustic Blanket

Mammoth acoustic blanket is designed to improve sound control and privacy through walls & midfloors in homes and offices.

Mammoth® polyester acoustic insulation is designed to help reduce sound transmission at all frequencies and performs as an acoustic infill material by providing sound absorption within the wall and midfloor cavity. As well as reducing noise transfer between rooms, Mammoth acoustic blanket also provides thermal insulation which will improve the energy efficiency of the space insulated.

Mammoth acoustic insulation is available in two forms: blankets and sections. Wall blanket insulation is best suited for long unimpeded wall cavities and can be stapled to the top dwang and extend between studs to fill the cavity.

Mammoth products contain recycled polyester fibres. Mammoth acoustic wall blanket insulation uses up to 4,300 recycled PET plastic bottles per 100sqm*.

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

ACOUSTIC BLANKET					PACK SIZES			
Type		Density (kg/m3)	GSM	Thickness (mm)	R-Value	W x L (mm)	Pieces per pack	Area per pack (m2)
580	✓	9.67	580	60	R 1.0	600x25000	2	30.00
735 (MAB3)	✓	14.70	735	50		600x11110	3	20.00
750 (MAB4)	✓	12.50	750	60	R 1.1	600x11110	3	20.00
900	✓	10.00	900	90	R 1.6	580x11495	2	13.33
900	✓	10.00	900	90	R 1.6	600x11110	3	20.00
1000		11.11	1000	90		600x11110	3	20.00
1100	✓	12.22	1100	90	R 1.8	600x11110	3	20.00
1150 (MAB6)	✓	15.33	1150	75	R 1.7	600x11110	3	20.00
1325		14.70	1325	90		560x10710	3	18.00
1680* (MAB7)		14.00	1680	120		600x7388	3	13.30

*New product line pending ISO9705 testing for fire performance

Mammoth Acoustic is available in different densities depending on the acoustic application and performance required.

KEY FEATURES

- 100% polyester carded insulation in a soft, roll-form to absorb noise and reduce sound transmission at all frequencies for walls and midfloors..
- Provides acoustic & thermal benefits for residential and commercial applications.
- Mammoth acoustic wall blanket uses up to 4,300 recycled PET plastic bottles per 100sqm (Calculations based on 500ml PET Bottles (16.2g)).
- Lightweight and easy to handle - can easily be torn to length or cut with shears. Available in varying widths and lengths to suit most applications and is secured by stapling within the wall cavity.
- 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. Red List Free - no formaldehyde or pesticides added.
- Unaffected by moisture, Mammoth insulation will continue to perform once dried out. Mammoth is moisture, mould and mildew resistant.
- Eco Choice Aotearoa (prev. Environmental Choice) certified and NZ Green Building Council approved.
- Long lasting, Mammoth insulation is performance warranted for the lifetime of the product (T&Cs apply).
- Mammoth products are made in a zero waste production process and are fully recyclable.
- Mammoth 100% polyester acoustic insulation products have an Ozone Depleting Potential (ODP) of zero.

TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
Product Safety		
✓ Non Toxic	OSH Health and Safety Guidelines ¹	Polyester products are 'non-toxic'
✓ Non Irritant	OSH Health and Safety Guidelines ¹	Polyester products are 'non-irritant'
✓ Respiratory Safe	n/a	Polyester fibres are non-respirable
✓ Fire Test ²	ISO9705	Group1S
	AS/NZS60695.2.11	Passed - Glow wire flammability test
	AS/NZS60695.11.5	Passed - Test flames (Needle-flame test)
✓ VOC Emission Safe ³	Total VOC ≤ 0.5mg/m ³	< 0.005mg/m ⁴ - level below detection
	Formaldehyde ≤ 0.06mg/m ³	< 0.009mg/m ³ - level below detection
✓ Glue Free		Free from all glues
Other		
✓ Thermal Performance	AS/NZS4859.1	Only applies to products with declared R-values
✓ Non Corrosive		Materials composed entirely of polyester are regarded as non-corrosive and are exempt from testing. Alkalinity of pH 7.8.
✓ Moisture Resistant ⁵	ASTM C1104	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) Occupational Safety and Health Service. Health and Safety Guidelines for the Selection and Safe Handling of Synthetic Mineral Fibres, Dept of Labour, 1994.

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

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

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

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

INSTALLATION & WARRANTY

Installation

Mammoth Acoustic Blanket must be installed according to the manufacturer's guidelines. Installation Instructions for Mammoth Acoustic Blanket 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. 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](#).

Correct as at 29 April 2026