

Acoustic Blanket


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

Mammoth® polyester acoustic insulation (previously NOVAhush) 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 (previously NOVAhush) 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 50 years (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.
- Manufactured by InZone Industries Ltd, NZ's Toitū carbonreduce certified insulation manufacturing organisation.

TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
New Zealand Building Code		
✓ Durability	Clause B2.3.1 (a) (b) Clause B2.3.2	Ref: BRANZ Appraisal No. 797
✓ Internal Moisture	Clause E3.3.1	Ref: BRANZ Appraisal No. 797
✓ Hazardous Building Materials	Clause F2.3.1	Ref: BRANZ Appraisal No. 797
✓ 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	ISO9705	Group1S
	AS/NZS60695.2.11	Passed - Glow wire flammability test
	AS/NZS60695.11.5	Passed - Test flames (Needle-flame test)
✓ VOC Emission Safe ²	Total VOC ≤ 0.5mg/m ³	< 0.005mg/m ³ - level below detection 4
	Formaldehyde ≤ 0.06mg/m ³	< 0.009mg/m ³ - level below detection
✓ Glue Free		Free from all glues
Other		
✓ Thermal Performance	AS/NZS4859.1 (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 ³		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 Health and Safety Service. Health and Safety Guidelines for the Selection and Safe Handling of Synthetic Mineral Fibres. Department of Labour, 1994.

² All individual VOCs were less than their threshold limit values. Carcinogens and reproductive toxins were not identified as part of the VOCs. Based on test results for a product with similar nominal weight.

³ 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.

Lifetime Warranty

InZone Industries 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 the Lifetime* of the building in which it is installed This Lifetime 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 31 March 2025