

Acoustic Wall Blanket

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

Mammoth® polyester acoustic wall 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 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 wall insulation is available in two forms: blankets and wall 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 plastic bottles per 100sqm*.

PRODUCT RANGE					PACK SIZES			
	Type	Density (kg/m3)	GSM	Nominal thickness (mm)	Width	Length	Pieces per pack	Area per pack (m2)
Acoustic	Wall 580	9.67	580	60	600mm	2.5m	2	30.00
	Wall 735*	14.7	735	50	600mm	11.11m	3	20.00
	Wall 750	12.5	750	60	600mm	11.11m	3	20.00
	Wall 900	10	900	90	580mm	11.495m	2	13.33
	Wall 900	10	900	90	600mm	11.11m	3	20.00
	Wall 1000	11.11	1000	90	600mm	11.11m	3	20.00
	Wall 1100	12.22	1100	90	600mm	11.11m	3	20.00
	Wall 1150	15.33	1150	75	600mm	11.11m	3	20.00

*Minimum Order Quantities of 250m2 applies.

Mammoth Acoustic Wall (previously NOVAhush) is available in different densities depending on the acoustic application and performance required.

BUILDING SYSTEM PERFORMANCE (with 13mm plasterboard lining both sides)

Product	Studs	Transmission Performance (STC Class/Rw)
Mammoth 580 gsm	64mm steel	41 (Rw 41)
Mammoth 750 gsm	64mm steel	43 (Rw 42)
Mammoth 900 gsm	92mm steel	48 (Rw 47)
Mammoth 1100 gsm	64mm steel	TBC

KEY FEATURES

- 100% polyester carded insulation in a soft, roll-form to absorb noise and reduce sound transmission at all frequencies.
- Provides acoustic & thermal benefits for residential and commercial applications.
- Mammoth acoustic wall blanket uses up to 4,300 recycled 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.
- 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 first and only Toitū net carbonzero certified insulation manufacturing organisation.

TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
Sound Absorption		
✓ Noise Reduction Coefficients (NRC)	ASTM C423	
Product Safety		
New Zealand Building Code		
✓ Durability	Clause B2.3.1 a) 15 years Clause B2.3.1 b) 50 years	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		
✓ Non Corrosive	AS/NZS4859.1	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 Wall 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.

50 Year Warranty

Mammoth Insulation has a 50 year warranty. Our product warranty covers that - so long as the insulation is installed correctly and remains adequately protected - Mammoth insulation will perform for 50 years. The warranty applies only to 100% polyester insulation products manufactured by InZone Industries Ltd and not to other composite products manufactured by InZone Industries Ltd. Read the full warranty at www.mammoth.co.nz for terms and conditions.



Correct as at 10 August 2022