Wall Insulation Blanket

Mammoth wall insulation is a soft polyester blanket in roll form - ideal for commercial buildings.

Mammoth® wall insulation is available in two forms: blankets and wall sections. Mammoth wall blankets are rolls of lofted 100% polyester insulation designed to be stapled to the top dwang to fit snugly between wall studs in residential and commercial building projects. They are ideally suited to long unimpeded wall cavities including steel framed walls.

Mammoth wall insulation is made from heat-bonded polyester fibres that are moisture resistant and won't sag or settle over time. See also Mammoth Wall Sections and Mammoth Masonry Wall Sections which are self-supporting for a superior fit.

Mammoth products contain recycled polyester fibres. Mammoth wall blanket insulation uses up to 5,600 recycled PET plastic bottles per 100sqm*.

PRODUCT RANGE					PACK SIZES			
	Eco Choice Aotearoa	BRANZ Appraised Appraisal No. 797	Density (kg/m3)	R-Value	Nominal thickness (mm)	Dimensions (mm)	Pieces per pack	Area per pack (m2)
Wall Blanket	✓	✓	21.67	R 2.2	90	360 x 9870	2	7.11
	✓	✓	21.67	R 2.2	90	560 x 10800	1	6.05
	✓	✓	10.71	R 2.6	140	380 x 8550	4	13.00
	✓	✓	10.71	R 2.6	140	580 x 7470	3	13.00

KEY FEATURES

- Mammoth 100% polyester provides thermal and acoustic benefits for residential and commercial applications.
- Soft, roll-form insulation blanket for wall cavities to help absorb noise.
- Safe and easy to work with - can be torn to length or cut with shears.
- Available in varying widths and lengths to suit most applications.
- Mammoth wall blanket insulation uses up to 5,600 recycled PET plastic bottles per 100sqm*.
- Mammoth products are made in a zero waste production process and are fully recyclable.
- Secured by stapling within the wall cavity.
- Red List Free - no formaldehyde or pesticides added.
- Heat bonded - no glues or binders that can break down so it won't sag or settle over time.
- Unaffected by moisture, Mammoth will continue to perform once dried out.
- Mammoth is moisture, mould and mildew resistant.
- Safe, non-itch, odourless and non-toxic - no precautions are required for handling the product.
- All Mammoth Wall Blankets are BRANZ 797 Appraised and have Eco Choice Aotearoa (prev. Environmental Choice) certification.
- NZ Green Building Council approved.
- Long lasting, Mammoth insulation is performance warranted for 90 years (T&Cs apply).
- Mammoth wall insulation products have an Ozone Depleting Potential (ODP) of zero.
- Recycling plastic protects the environment by keeping the carbon content locked up in the polyester fibre and reducing landfill waste.

** Calculations are based on 500ml PET Bottles (16.2g).*

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[1]
✓ Internal Moisture	Clause E3.3.1	Ref: BRANZ Appraisal No 797[1]
✓ Hazardous Building Materials	Clause F2.3.1	Ref: BRANZ Appraisal No 797[1]
✓ Energy Efficiency	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
	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		Materials composed entirely of polyester are regarded as non-corrosive and are exempt from testing. Alkalinity of pH 7.8
✓ 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.

INSTALLATION & WARRANTY

Installation
Mammoth 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 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 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
Mammoth Wall Insulation Blanket has been tested by, and is covered by BRANZ Appraisal 797.

Correct as at 17 June 2026