

Masonry Insulation

Mammoth masonry wall insulation products are designed to support the thermal performance of masonry/concrete walls.

Made of 100% polyester, Mammoth® masonry wall insulation is 45mm thick to fit between masonry battens and are available in two forms: a R1.0 wall blanket and R1.3 wall sections.

Mammoth products contain recycled polyester fibres. Mammoth masonry wall insulation uses up to 7,800 recycled PET plastic bottles per 100sqm*.

For high performance self-supporting polyester wall sections, we have [Mammoth Wall Sections](#) or for walls requiring roll form insulation, there is the option of our [Mammoth Wall Blanket](#).

PRODUCT RANGE				PACK SIZES			
		Density (kg/m3)	R-Value	Nominal thickness (mm)	Dimensions (mm)	Pieces per pack	Area per pack (m2)
Masonry Wall - Blanket	✓	16.67	R 1.0	45	580 x 12930	2	15.00
Masonry Wall - Section	✓	42.22	R 1.3	45	360 x 2400	9	7.78
Masonry Wall - Section	✓	42.22	R 1.3	45	560 x 2400	6	8.06

KEY FEATURES

- High performance semi-rigid 100% polyester airlay sections or carded blanket.
- 45mm thick sections to fit between masonry battens.
- Mammoth products contain recycled polyester fibres. Mammoth masonry insulation uses up to 7,800 recycled PET plastic bottles per 100sqm*.
- Heat bonded - no glues or binders that can break down so it won't sag or settle over time.
- Mammoth sections come in pre-cut sections of varying widths and lengths.
- Sections can easily be cut using wide blade craft knives or specialised insulation saws.
- Self-supporting for a smooth friction fit without creases, folds or tucks.
- Also absorbs noise to create a quieter environment.
- 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.
- Safe, non-itch, odourless and non-toxic - no precautions are required for handling the product.
- Mammoth masonry insulation is BRANZ tested & masonry wall sections are Eco Choice Aotearoa (prev. Environmental Choice) certified.
- NZ Green Building Council approved.
- Mammoth masonry insulation has an Ozone Depleting Potential (ODP) of zero.
- 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.
- Long lasting, Mammoth insulation is performance warranted for the lifetime of the product (T&Cs apply).

*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	
✓ Hazardous Building Materials	Clause F2.3.1	
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	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 ³	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
✓ Vermin Resistant		Not a food source for vermin (and not treated)

¹ Mammoth Masonry Wall products have the same technical attributes as other Mammoth Wall products covered by BRANZ Appraisal No 797.

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 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.

INSTALLATION & WARRANTY

Installation

Mammoth Masonry 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.

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 03 January 2026

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Manufactured in New Zealand's North Island and South Island

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* Registered trade mark of InZone Industries Ltd