Mammoth
MODERN INSULATION

Ceiling Blanket Insulation

Mammoth ceiling blankets are designed to be installed in new or existing roof cavities.

An effective and easy form of thermal insulation, Mammoth® Modern Insulation ceiling blankets have a range of R-values of up to R4.0, or R8.0 when double layered. Mammoth blankets are long lasting, won't sag or settle over time, are non-irritant and highly effective. Mammoth products contain recycled polyester fibres. Mammoth ceiling blanket insulation uses up to 7,400 recycled plastic bottles per 100sqm*.

For new ceilings without a roof space there is the option of our Mammoth Skillion Ceiling Sections and for skillion and truss roofs we have Mammoth Ceiling Battens.

Can be double layered to meet the new Building Code.

Mammoth ceiling blankets are manufactured in roll form so that they can be installed as both a single or double layer system. For any system - single or double layered - the joist depth must be greater than the insulation thickness.

Mammoth ceiling blankets are designed in widths to fit snugly between joists or trusses in a single layer option or alternatively with a second layer run perpendicular to the first, covering the top of the joists or truss bottom chord reducing thermal bridging in these areas.

PRODUCT RANGE					PACK SIZES			
	Eco Choice Aotearoa	BRANZ Appraised	Density (kg/m3)	R-Value	Nominal thickness (mm)	Dimensions (mm)	Pieces per pack	Area per pack (m2)
Ceiling Blanket	✓	✓	7.83	R 1.8	115	870 x 11495	2	20
	✓	✓	7.57	R 2.9	185	870 x 8620	2	15
	✓	✓	8.00	R 3.2	200	870 x 8620	2	15
	✓	✓	8.00	R 3.3	210	870 x 8620	2	15
	✓	✓	8.00	R 3.6	225	870 x 7470	2	13
	✓	✓	8.33	R 4.0	240	870 x 5750	2	10
Double Layer - R 2.9 x 2	✓		7.57	R 5.8	370	870 x 8620	2	15*
Double Layer - R 3.2 x 2	✓		8.00	R 6.4	400	870 x 8620	2	15*
Double Layer - R 3.3 x 2	✓		8.00	R 6.6	420	870 x 8620	2	15*
Double Layer - R 3.6 x 2	✓		8.00	R 7.2	450	870 x 7470	2	13*
Double Layer - R 4.0 x 2	✓		8.33	R 8.0	480	870 x 5750	2	10*

For any system - single or double layered - the joist depth must be greater than the insulation thickness.
*** For Double Layering -** Double the quantity of product is required. For instance, a 100m2 area requires 200m2 of product to achieve a double layer.

KEY FEATURES

- Soft, roll-form 100% polyester insulation blanket for ceilings. Can be double layered for higher R-value.
- Mammoth ceiling blanket insulation uses up to 7,400 recycled plastic bottles per 100sqm*. ** Calculations are based on 500ml PET Bottles (16.2g).*
- Unaffected by moisture, Mammoth will continue to perform once dried out. Mammoth is moisture, mould and mildew resistant.
- 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.
- 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.
- Safe, non-itch, odourless and non-toxic - no precautions are required for handling the product.
- All Mammoth ceiling blankets are BRANZ 797 Appraised.
- All Mammoth ceiling blankets have Environmental Choice certification.
- Mammoth products are made in a zero waste production process and are fully recyclable.
- Mammoth ceiling insulation products have an ODP of zero.
- Long lasting, Mammoth insulation is performance warranted for 50 years (T&Cs apply).
- Manufactured by InZone Industries Ltd, NZ's first and only Toitū net carbonzero certified insulation manufacturing organisation.

TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
New Zealand Building Code		
✓ Durability	Clause B2.3.1 a) 15 years Clause B2.3.1 b) 50 years	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	n/a	Polyester fibres are non-respirable
✓ Fire Test	AS/NZS60695.2.11	Passed - Glow wire flammability test
	AS/NZS60695.11.5	Passed - Test flames (Needle-flame test)
	ISO9705	Group1S
		Can safely cover IC-rated downlights. If luminare rating is unknown, minimum clearance of 100mm to any insulation is required.
✓ VOC Emission Safe [3]	Total VOC ≤ 0.5mg/m^3	< 0.005mg/m3 - level below detection[4]
	Formaldehyde ≤ 0.06mg/m^3	< 0.009mg/m3 - 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 Meet or contribute to these provisions when designed, used, installed and maintained in accordance with BRANZ Appraisal 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 Ceiling 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 Ceiling Insulation can be found here. 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. Read the full warranty for terms and conditions.

BRANZ Appraised
Mammoth Ceiling Insulation Blanket has been tested by, and is covered by BRANZ Appraisal 797.

50 YEAR WARRANTY Mammoth MODERN INSULATION

Correct as at 29 March 2024

Mammoth MODERN INSULATION
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