

# 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			
			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
<b>New Zealand Building Code</b>		
✓ Durability	Clause B2.3.1 a) 15 years Clause B2.3.1 b) 50 years	Ref: BRANZ Appraisal No 797 <sup>1</sup>
✓ Internal Moisture	Clause E3.3.1	Ref: BRANZ Appraisal No 797 <sup>1</sup>
✓ Hazardous Building Materials	Clause F2.3.1	Ref: BRANZ Appraisal No 797 <sup>1</sup>
✓ Energy Efficiency	Clause H1.3.1(a) Clause H1.3.2 E	Ref: BRANZ Appraisal No 797 <sup>1</sup>
<b>Product Safety</b>		
✓ Non Toxic	OSH Health and Safety Guidelines <sup>2</sup>	Polyester products are 'non-toxic'
✓ Non Irritant	OSH Health and Safety Guidelines <sup>2</sup>	Polyester products are 'non-irritant'
✓ Respiratory Safe	n/a	Polyester fibres are non-respirable
✓ Fire Test	AS/NZS60695.2.11 AS/NZS60695.11.5 ISO9705	Passed - Glow wire flammability test Passed - Test flames (Needle-flame test) Group1S Can safely cover IC-rated downlights. If luminare rating is unknown, minimum clearance of 100mm to any insulation is required.
✓ VOC Emission Safe <sup>3</sup>	Total VOC ≤ 0.5mg/m <sup>3</sup> Formaldehyde ≤ 0.06mg/m <sup>3</sup>	< 0.005mg/m <sup>3</sup> - level below detection <sup>4</sup> < 0.009mg/m <sup>3</sup> - level below detection
✓ Glue Free		Free from all glues
<b>Other</b>		
✓ 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)

<sup>1</sup> Meet or contribute to these provisions when designed, used, installed and maintained in accordance with BRANZ Appraisal 797.

<sup>2</sup> Occupational Safety and Health Service. Health and Safety Guidelines for the Selection and Safe Handling of Synthetic Mineral Fibres, Dept of Labour, 1994.

<sup>3</sup> Mammoth has been tested under ASTM D5116. Based on test results for a product with similar nominal weight.

<sup>4</sup> 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.



Correct as at 28 April 2024