





Ceiling Insulation Blanket

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. Mammoth blankets are long lasting, won't sag or settle over time, are non-irritant and highly effective.

Manufactured in roll form that can be installed as both a single or double layer system. 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. Also available are [Mammoth Skillion Ceiling Sections](#) for new ceilings without a roof space.

PRODUCT RANGE			PACK SIZES					
			Density (kg/m3)	R-Value	Nominal thickness (mm)	Dimensions	Pieces per pack	Area per pack (m2)
Ceiling Blanket	✓	✓	7.83	R 1.8	115	870mm x 11.495m	2	20
	✓	✓	7.57	R 2.9	185	870mm x 8.62m	2	15
	✓	✓	8.00	R 3.2	200	870mm x 8.62m	2	15
	✓	✓	8.00	R 3.3	210	870mm x 8.62m	2	15
	✓	✓	8.00	R 3.6	225	870mm x 7.47m	2	13
	✓	✓	8.33	R 4.0	240	870mm x 5.75m	2	10
Double Layer - R 2.9 x 2	✓		7.57	R 5.8	370	870mm x 8.62m	2	15*
Double Layer - R 3.2 x 2	✓		8.00	R 6.4	400	870mm x 8.62m	2	15*
Double Layer - R 3.3 x 2	✓		8.00	R 6.6	420	870mm x 8.62m	2	15*
Double Layer - R 3.6 x 2	✓		8.00	R 7.2	450	870mm x 7.47m	2	13*
Double Layer - R 4.0 x 2	✓		8.33	R 8.0	480	870mm x 5.75m	2	10*

* 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 thermal insulation blanket for ceilings.
- Can be double layered for higher R-value.
- Unaffected by moisture, Mammoth will continue to perform once dried out.
- Will not sag or shrink over time.
- Safe and easy to work with - can be torn to length or cut with shears.
- Also absorbs noise to create a quieter environment.
- Heat bonded - no glues or resins used in manufacture.
- Red List Free - no formaldehyde or pesticides added.
- Non-irritant and non-toxic so no precautions are required for handling the product.
- All Mammoth Ceiling Insulation Blankets are BRANZ appraised.
- Performance warranted for 50 years (*Ts&Cs apply*).
- Manufactured in New Zealand by a carboNZero certified 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 AS/NZS60695.11.5 ISO9705	Passed - Glow wire Flammability Test Passed - Test flames (Needle-flame test) Group1S Can safely cover IC-rated downlights. If luminaire rating is unknown, minimum clearance of 100mm to any insulation is required.
✓ VOC Emission Safe ³	Total VOC ≤ 0.5mg/m ³	< 0.005mg/m ³ - level below detection ⁴
✓ Glue Free	Formaldehyde ≤ 0.06mg/m ³	< 0.009mg/m ³ - level below detection 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 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. 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 06 June 2022