

# Ceiling Batten Insulation

Mammoth ceiling batten insulation products are designed to support the thermal performance of skillion or truss ceilings.

Made of 100% polyester, Mammoth® Ceiling Batten Insulation is designed to support the thermal performance of skillion and truss roof spaces. Ceiling batten space is an ideal cavity to insulate:

- to reduce thermal bridging through your truss bottom chords or rafters, and
- as the space is easily accessible from underneath and usually an unused space.

We have two options available for ceiling batten spaces - a R1.0 blanket and R1.3 airway sections. Both require 45mm deep ceiling battens.

For ceilings with sufficient roof space there is the option of our [Mammoth Ceiling Blanket](#) or for new ceilings without a roof space there is the option of our [Mammoth Skillion Ceiling Sections](#).

PRODUCT RANGE					PACK SIZES			
	Type	Airway / Card	Density (kg/m <sup>3</sup> )	R-Value	Nominal thickness (mm)	Dimensions (mm)	Pieces per pack	Area per pack (m <sup>2</sup> )
Ceiling Batten	Blanket	Card	16.67	R 1.0	45	580 x 12930	2	15
	Section	Airway	47.10	R 1.0	35	540 x 1200	10	6.48
	Section	Airway	42.22	R 1.3	45	360 x 2400	9	7.78
	Section	Airway	42.22	R 1.3	45	560 x 2400	6	8.06

Note: R1.3 sections are for timber framing only.

## KEY FEATURES

- Suitable for skillion or truss roofs.
- Semi-rigid Airway polyester sections (for timber framing only) or Carded polyester blanket.
- 45mm thick sections to fit between ceiling battens.
- Heat-bonded 100% polyester that won't sag or settle over time.
- Sections can easily be cut using wide blade craft knives or specialised insulation saws.
- Self-supporting sections for a smooth friction fit without creases, folds or tucks.
- Also absorbs noise to create a quieter environment.
- Moisture resistant - in the event of leaks they continue to perform once dried out.
- Red List Free - no glues, resins, formaldehyde or pesticides added.
- Safe and easy to work with - non-irritant and non-toxic.
- No precautions are required for handling the product.
- Long lasting, Mammoth insulation is performance warranted for 90 years (T&Cs apply).

# TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
<b>New Zealand Building Code</b>		
✓ Durability	Clause B2.3.1 (a) (b) Clause B2.3.2	Ref: BRANZ Appraisal No. 797 <sup>1</sup> (except R1.0 35mm)
✓ Internal Moisture	Clause E3.3.1	Ref: BRANZ Appraisal No. 797 <sup>1</sup> (except R1.0 35mm)
✓ Hazardous Building Materials	Clause F2.3.1	Ref: BRANZ Appraisal No. 797 <sup>1</sup> (except R1.0 35mm)
✓ Energy Efficiency	Clause H1.3.1(a) Clause H1.3.2 E	Ref: BRANZ Appraisal No. 797 <sup>1</sup> (except R1.0 35mm)
<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		Polyester fibres are non-respirable
✓ Fire Test <sup>3</sup>	ISO9705	Group1S
✓ VOC Emission Safe <sup>4</sup>	Total VOC ≤ 0.5mg/m <sup>4</sup>	< 0.005mg/m <sup>4</sup> - level below detection <sup>5</sup>
	Formaldehyde ≤ 0.06mg/m <sup>4</sup>	< 0.009mg/m <sup>4</sup> - level below detection
✓ Glue Free		Free from all glues
<b>Other</b>		
✓ Thermal Performance	AS/NZS4859.1	Only applies to products with declared R-values
✓ Non Corrosive		Materials composed entirely of polyester are regarded as non-corrosive and are exempt from testing. Alkalinity of pH 7.8
✓ Moisture Resistant <sup>6</sup>	ASTM C1104	Absorption rate of less than 0.2% by weight
✓ 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.

(6) If the products should become wet the full thermal performance will be restored once the product is dried completely.

## INSTALLATION & WARRANTY

### Installation

Mammoth Ceiling Batten 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](http://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](#).

Correct as at 21 June 2026