

# 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.
- Performance warranted for 50 years (Ts&Cs apply).
- Made in New Zealand by InZone Industries Ltd.

# 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>
✓ Internal Moisture	Clause E3.3.1	
✓ Hazardous Building Materials	Clause F2.3.1	
<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	ISO9705	Group1S
✓ VOC Emission Safe <sup>3</sup>	Total VOC ≤ 0.5mg/m <sup>3</sup>	< 0.005mg/m <sup>3</sup> - level below detection <sup>4</sup>
	Formaldehyde ≤ 0.06mg/m <sup>3</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> Mammoth Ceiling Batten products have the same technical attributes as other Mammoth ceiling products covered by BRANZ Appraisal No 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 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.

## 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 and not to other composite products manufactured by InZone. Read the full warranty at [www.mammoth.co.nz/downloads](http://www.mammoth.co.nz/downloads) for terms and conditions.



Correct as at 21 November 2024