

# 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 PET 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 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                 |
|                          |                                                                                    |                                                                                    | 9.79            | R 4.1   | 210                    | 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*                |
| Double Layer - R 4.1 x 2 |                                                                                    |                                                                                    | 9.79            | R 8.2   | 420                    | 870 x 5750      | 2               | 10*                |

**Double Layering** - Mammoth Ceiling products can be double layered. For example: R 4.1 x 2 layers = R 8.2 (420mm nominal thickness).

\* 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 PET 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 Eco Choice Aotearoa (prev. 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 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)<br>Clause B2.3.2                                   | 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)<br>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                |                                                                          | Polyester fibres are non-respirable                                                                                      |
| ✓ Fire Test <sup>3</sup>          | AS/NZS60695.2.11<br>AS/NZS60695.11.5<br>ISO9705                          | Passed - Glow wire flammability test<br>Passed - Test flames (Needle-flame test)<br>Group1S                              |
| ✓ VOC Emission Safe <sup>4</sup>  | Total VOC ≤ 0.5mg/m <sup>4</sup><br>Formaldehyde ≤ 0.06mg/m <sup>5</sup> | < 0.005mg/m <sup>3</sup> - level below detection <sup>5</sup><br>< 0.009mg/m <sup>3</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 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.

### 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](#).

### BRANZ Appraised

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

Correct as at 01 September 2026