



# Underfloor Insulation Blanket

Mammoth underfloor blanket is made from 100% polyester and is a great option for reducing heat loss through suspended timber floors.

Mammoth® underfloor blanket is recommended only for experienced installers or builders as the insulation is stapled into place between floor joists near electrical wiring. Mammoth polyester insulation is moisture resistant and so is the preferred option for suspended floors.

Also available are high-performance, self-supporting, easy-to-install [Mammoth underfloor sections](#) with a higher R-value and our [Carpark Panels](#).

Mammoth products contain recycled polyester fibres. Mammoth underfloor blanket insulation uses up to 3,300 recycled plastic bottles per 100sqm\*.

PRODUCT RANGE					PACK SIZES				
			Density (kg/m3)	R-Value	Nominal thickness (mm)	Dimensions (mm)	Pieces per pack	Area per pack (m2)	
Underfloor Blanket	✓	✓	7.5	R 1.5	100	450 x 11110	4	20	
	✓	✓	7.5	R 1.5	100	510 x 9804	4	20	
	✓	✓	7.5	R 1.5	100	600 x 11110	3	20	
	✓	✓	7.5	R 1.5	100	650 x 10256	3	20	
	✓	✓	7.83	R 1.8	115	450 x 11110	4	20	
	✓	✓	7.83	R 1.8	115	510 x 9804	3	20	
	✓	✓	7.83	R 1.8	115	600 x 11110	3	20	
	✓	✓	7.83	R 1.8	115	650 x 10256	3	20	
			✓	10	R 2.0	115	450 x 11110	4	20
			✓	10	R 2.0	115	510 x 9804	4	20
			✓	10	R 2.0	115	600 x 11110	3	20
			✓	10	R 2.0	115	650 x 10255	3	20

## KEY FEATURES

- 100% polyester carded thermal insulation in a soft, roll-form for residential and commercial applications.
- Mammoth products use recycled polyester fibres. The equivalent of 2,770 to 4,250 recycled plastic bottles are used per 100sqm\* depending on product R-Value.
- Mammoth is moisture, mould and mildew resistant. Mammoth insulation will continue to perform once dried out.
- Lightweight and easy to handle - can easily be torn to length or cut with shears.
- Available in varying widths to minimise waste.
- Non-corrosive - will not affect electrical wiring underfloor.
- 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 of Mammoth underfloor blankets are BRANZ 802 Appraised and have Environmental Choice certification.
- Long lasting, Mammoth insulation is performance warranted for 50 years (T&Cs apply).
- Mammoth products are made in a zero waste production process and are fully recyclable.
- Mammoth underfloor insulation products have an Ozone Depleting Potential (ODP) of zero.
- Manufactured by InZone Industries Ltd, NZ's first and only Toitū net carbonzero certified insulation manufacturing organisation.

\* Calculations are based on 500ml PET Bottles (16.2g).

# TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
<b>New Zealand Building Code</b>		
✓ Durability	Clause B2.3.1 (b) (c) Clause B2.3.2	Ref: BRANZ Appraisal No 802 <sup>1</sup>
✓ Hazardous Building Materials	Clause F2.3.1	Ref: BRANZ Appraisal No 802 <sup>1</sup>
✓ Energy Efficiency	Clause H1.3.1(a) Clause H1.3.2 E	Ref: BRANZ Appraisal No 802 <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	ISO9705	Group1S
	AS/NZS60695.2.11	Passed - Glow wire flammability test
	AS/NZS60695.11.5	Passed - Test flames (Needle-flame test)
✓ 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)

*1 Mammoth Underfloor blanket has the same technical attributes as other Mammoth Ceiling blanket covered by BRANZ Appraisal No 802.*

*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 Underfloor Insulation Blanket is recommended for installation by an experienced installer and 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 Underfloor Insulation Blanket 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 Industries Ltd. Read the full warranty at [www.mammoth.co.nz/downloads](http://www.mammoth.co.nz/downloads) for terms and conditions.

### BRANZ Appraised

Mammoth Underfloor Insulation Blanket has been tested by, and is covered by BRANZ Appraisal 802.



Correct as at 16 July 2024