Underfloor Insulation Blanket

Mammoth underfloor blanket is made from100% 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	Eco Choice Aotearoa	BRANZ Appraised	Density (kg/m3)	R-Value	Nominal thickness (mm)	PACK SIZES 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
			10.7	R 2.6	140	450 x 8333	4	15
			10.7	R 2.6	140	510 x 7352	4	15
			10.7	R 2.6	140	600 x 8333	3	15
			10.7	R 2.6	140	650 x 7692	3	15

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 Eco Choice Aotearoa (prev. Environmental Choice) certification. Long lasting, Mammoth insulation is performance warranted for 90 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.

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

TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
New Zealand Building Code		
✓ Durability	Clause B2.3.1 (b) (c) Clause B2.3.2	Ref: BRANZ Appraisal No 802[1]
✓ Hazardous Building Materials	Clause F2.3.1	Ref: BRANZ Appraisal No 802[1]
✓ Energy Efficiency	Clause H1.3.1(a) Clause H1.3.2 E	Ref: BRANZ Appraisal No 802[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		Polyester fibres are non-respirable
✓ Fire Test[3]	ISO9705	Group1S
	AS/NZS60695.2.11	Passed - Glow wire flammability test
	AS/NZS60695.11.5	Passed - Test flames (Needle-flame test)
✓ VOC Emission Safe [4]	Total VOC ≤ 0.5mg/m^4	< 0.005mg/m^4 - level below detection [5]
	Formaldehyde ≤ 0.06mg/m^4	< 0.009mg/m^4 - level below detection
✓ Glue Free		Free from all glues
Other		
✓ 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[56]	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 Underfloor Insulation Blanketis recommendedfor 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 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.

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

Correct as at 15 October 2026