



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 [Mammoth underfloor sections](#) which have a higher R-value and are self-supporting for easy install.

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	Pieces per pack	Area per pack (m2)
Underfloor Blanket	✓	✓	7.5	R 1.5	100	450mm x 11.11m	4	20
	✓	✓	7.5	R 1.5	100	510mm x 9.804m	4	20
	✓	✓	7.5	R 1.5	100	600mm x 11.11m	3	20
	✓	✓	7.5	R 1.5	100	650mm x 10.256m	3	20
	✓	✓	7.83	R 1.8	115	450mm x 11.11m	4	20
	✓	✓	7.83	R 1.8	115	510mm x 9.804m	3	20
	✓	✓	7.83	R 1.8	115	600mm x 11.11m	3	20
	✓	✓	7.83	R 1.8	115	650mm x 10.256m	3	20

KEY FEATURES

- 100% polyester carded thermal insulation in a soft, roll-form for residential and commercial applications.
- Mammoth products contain recycled polyester fibres.
- Mammoth underfloor blanket insulation uses up to 3,300 recycled plastic bottles per 100sqm*.
- 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.
- Unaffected by moisture, Mammoth insulation will continue to perform once dried out.
- Non-corrosive - will not affect electrical wiring underfloor.
- Mammoth is moisture, mould and mildew resistant.
- 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.
- NZ Green Building Council approved.
- 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.
- Recycling plastic protects the environment by keeping the carbon content locked up in the polyester fibre and reducing landfill waste.
- 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
New Zealand Building Code		
✓ Durability	Clause B2.3.1 a) 15 years Clause B2.3.1 b) 50 years	Ref: BRANZ Appraisal No 802 ¹
✓ Internal Moisture	Clause E3.3.1	
✓ Hazardous Building Materials	Clause F2.3.1	
✓ Energy Efficiency	Clause H1.3.1(a) Clause H1.3.2 E	
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	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 ³	Total VOC ≤ 0.5mg/m ³	< 0.005mg/m ³ - level below detection ⁴
	Formaldehyde ≤ 0.06mg/m ³	< 0.009mg/m ³ - level below detection
✓ Glue Free		Free from all glues
Other		
✓ 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 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 for terms and conditions.

BRANZ Appraised

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



Correct as at 10 August 2022