



# UNDERFLOOR INSULATION BLANKET

## APPLICATION



Mammoth™ polyester underfloor blanket is designed for use by experienced installers and builders in suspended timber floors. The insulation is recommended only for experienced installers as the insulation is stapled into place between floor joists near electrical wiring. 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.

## FEATURES & BENEFITS

- Soft roll-form blanket insulation.
- 100% polyester fibres.
- Moisture resistant for use underfloor.
- Won't affect electrical wiring like polystyrene options can.
- Heat bonded - no glues or resins used in manufacture.
- No formaldehyde or pesticides added.
- Easy to handle - non-irritant and non-toxic.
- Performance warranted for 50 years (Ts&Cs apply).
- Manufactured in New Zealand by InZone Industries Ltd.

## PRODUCT RANGE

PRODUCT RANGE			kg/m3	PRODUCT R-VALUE	NOMINAL THICKNESS (MM)	DIMENSION (MM)	PIECES PER PACK	TOTAL AREA (M2)
Underfloor Blanket	✓		7.5	R 1.5	100	450 x 11110	4	20.00
	✓	✓	7.5	R 1.5	100	510 x 9804	4	20.00
	✓		7.5	R 1.5	100	600 x 11110	3	20.00
	✓		7.83	R 1.8	115	450 x 11110	4	20.00
	✓	✓	7.83	R 1.8	115	510 x 13070	3	20.00
	✓		7.83	R 1.8	115	600 x 11110	3	20.00

# TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
<b>New Zealand Building Code</b>		
✓ Durability	Clause B2.3.1 a) 15 years Clause B2.3.1 b) 50 years	Ref: BRANZ Appraisal No 802 (2014) <sup>1</sup>
✓ 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	
<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	AS 1530 Part 3:	
	Ignitability	0 (Scale 0:20)
	Spread of Flame	0 (Scale 0:10)
	Heat Evolved	0 (Scale 0:10)
	Smoke Developed	3 (Scale 0:10)
	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)

<sup>1</sup> Mammoth Underfloor blanket has the same technical attributes as other Mammoth Ceiling blanket covered by BRANZ Appraisal No 802 (2014)

<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.

## SPECIFICATION & INSTALLATION

### 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 NZ Standard NZS4246 (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) For further information please contact Mammoth on 0800 MAMMOTH

### 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. Terms & conditions apply. Read the full warranty at [www.mammoth.co.nz/downloads](http://www.mammoth.co.nz/downloads)

### Appraised

Mammoth Underfloor Insulation Blanket has been appraised by BRANZ and is covered by BRANZ Appraisal 802 (2014).

™ Mammoth Modern Insulation is a trademark of InZone Industries Limited