



# MASONRY INSULATION

## APPLICATION



Mammoth Masonry Wall Insulation products are 100% polyester insulation solutions designed to support the thermal performance of masonry/concrete walls.

Mammoth Masonry Wall insulation are 45mm thick to fit between masonry battens and are available in two forms: a R1.0 Wall Blanket and R1.3 Airlay Wall Sections.

## FEATURES & BENEFITS

- Semi-rigid Airlay polyester sections or Carded polyester blanket.
- 45mm thick sections to fit between masonry battens.
- Heat-bonded 100% polyester that won't sag or settle over time.
- Self-supporting for a smooth friction fit without creases, folds or tucks.
- Also absorbs noise to create a quieter environment.
- Moisture resistant - in the event of leaks they continue to perform once dried out.
- Red List Free - no glues, resins, formaldehyde or pesticides added.
- Safe and easy to work with - non-irritant and non-toxic.
- No precautions are required for handling the product.
- Performance warranted for 50 years.
- Made in New Zealand by a carboNZero certified organisation.

## PRODUCT RANGE

PRODUCT RANGE	 	NRC	PRODUCT R-VALUE	NOMINAL THICKNESS (MM)	DIMENSIONS (MM)	PIECES PER PACK	TOTAL AREA (M2)
Masonry Wall Blanket			1.0	45	580 x 12930	2	15.00
Masonry Wall Sections			1.3	45	360 x 2400	9	7.78
			1.3	45	560 x 2400	6	8.06

# 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	Mammoth Underfloor Blanket has been developed to meet the New Zealand Code requirements <sup>1</sup>
✓ Internal Moisture	Clause E3.3.1	
✓ Hazardous Building Materials	Clause F2.3.1	
<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 Masonry Wall products have the same technical attributes as other Mammoth Wall products covered by BRANZ Appraisal No 797 (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 Masonry Wall Insulation must be installed according to the manufacturer's guidelines and in accordance with NZ Standard 4246 (Energy Efficiency - Installing Insulation in Residential Buildings). Installation Instructions for Mammoth Wall Insulation 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 InsulPro and not to other composite products manufactured by InsulPro. Terms & conditions apply. Read the full warranty at [www.mammoth.co.nz/downloads](http://www.mammoth.co.nz/downloads)

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