



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 (Ts&Cs apply).
- Made in New Zealand by InZone Industries Ltd.

PRODUCT RANGE

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

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. 797 (2014) ¹
✓ Internal Moisture	Clause E3.3.1	
✓ Hazardous Building Materials	Clause F2.3.1	
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	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 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 Masonry Wall products have the same technical attributes as other Mammoth Wall products covered by BRANZ Appraisal No 797 (2014)

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.

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 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. Terms & conditions apply. Read the full warranty at www.mammoth.co.nz/downloads

Appraised

Mammoth Masonry Insulation has been appraised by BRANZ and is covered by BRANZ Appraisal 797 (2014).

™ Mammoth is a trademark of InZone Industries Limited