



WALL INSULATION SECTIONS



























APPLICATION

Mammoth Polyester Wall Sections are semi-rigid insulation designed to be friction fitted into the wall cavity, creating a seamless, smooth fit without tucks, creases or gaps. This supports higher thermal performance. Mammoth Wall Sections are made on New Zealand's only Airlay Insulation plant - accept no substitutes.

FEATURES & BENEFITS

- Semi-rigid Airlay polyester sections.
- 100% heat-bonded polyester that won't sag or settle over time.
- Self-supporting for a smooth friction fit without creases, folds or tucks.
- Moisture resistant - in the event of leaks they continue to perform once dried out.
- Red List Free - no glues, resins, formaldehyde or pesticides added.
- Non-irritant and non-toxic - no precautions are required for handling the product.
- Mammoth Wall Insulation Sections are BRANZ appraised.

PRODUCT RANGE

PRODUCT RANGE			NRC	PRODUCT R-VALUE	NOMINAL THICKNESS (MM)	DIMENSIONS (MM)	PIECES PER PACK	TOTAL AREA (M2)
Wall Sections				1.9	90	370 x 800	8	2.37
				1.9	90	580 x 800	6	2.78
				2.0	90	360 x 760	9	2.46
				2.0	90	560 x 760	6	2.55
				2.2	90	360 x 760	9	2.46
				2.2	90	560 x 760	6	2.55
				2.5	90	360 x 760	9	2.46
				2.5	90	560 x 760	6	2.55
				2.0	70	360 x 760	12	3.28
				2.0	70	560 x 760	8	3.40
				2.8	140	360 x 760	18	4.92
				2.8	140	560 x 760	12	5.10

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	BRANZ Appraisal No 797 (2014) ¹
✓ Internal Moisture	Clause E3.3.1	BRANZ Appraisal No 797 (2014) ¹
✓ Hazardous Building Materials	Clause F2.3.1	BRANZ Appraisal No 797 (2014) ¹
✓ Energy Efficiency	Clause H1.3.1(a) Clause H1.3.2 E	BRANZ Appraisal No 797 (2014) 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 Meet or contribute to these provisions when designed, used, installed and maintained in accordance with BRANZ Appraisal 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™ Wall Sections 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 Sections 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 InsulPro and not to other composite products manufactured by InsulPro. Terms & conditions apply. Read the full warranty at www.mammoth.co.nz/downloads

Appraisal

Mammoth Wall Insulation Sections have been tested by BRANZ and is covered by BRANZ Appraisal 797.

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