



# ACOUSTIC WALL SECTIONS

## APPLICATION

Mammoth™ high performance acoustic sections for sound management in residential and commercial buildings. Designed to reduce sound transmission at all frequencies and perform as an acoustic infill material by providing sound absorption within the cavity.

## FEATURES & BENEFITS

- Semi-rigid Airlay polyester sections.
- Effective at absorbing noise to create quieter environments.
- Heat bonded 100% 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.

## PRODUCT RANGE

PRODUCT RANGE			kg/m <sup>3</sup>	GSM	NOMINAL THICKNESS (MM)	DIMENSIONS	PIECES PER PACK	TOTAL AREA (M <sup>2</sup> )
NOVAhush 1000 (NRC.90)				1000	80	560mm x 760mm	7	2.98
Mammoth R1.9	✓	✓	16.67	1500	90	360mm x 760mm	8	2.46
Mammoth R1.9	✓	✓	16.67	1500	90	560mm x 760mm	6	2.55
Mammoth R2.0	✓	✓	22.22	2000	90	360mm x 760mm	9	2.46
Mammoth R2.0	✓	✓	22.22	2000	90	560mm x 760mm	6	2.55
Mammoth R2.2	✓	✓	26.67	2400	90	360mm x 760mm	9	2.46
Mammoth R2.2	✓	✓	26.67	2400	90	560mm x 760mm	6	2.55
Mammoth R2.5	✓	✓	35.00	3600	90	360mm x 760mm	9	2.46
Mammoth R2.5	✓	✓	35.00	3600	90	560mm x 760mm	6	2.55
Mammoth R2.8	✓	✓	15.00	2100	140	360mm x 760mm	18	4.92
Mammoth R2.8	✓	✓	15.00	2100	140	560mm x 760mm	12	5.10

# TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
<b>Sound Absorption</b>		
✓ Noise Reduction Coefficient	ASTM C423 - 1000 g/m <sup>2</sup>	0.90
<b>New Zealand Building Code</b>	Clause B2.3.1 a) 15 years Clause B2.3.1 b) 50 years	Ref: BRANZ Appraisal No 797
✓ Internal Moisture	Clause E3.3.1	Ref: BRANZ Appraisal No 797
✓ Hazardous Building Materials	Clause F2.3.1	Ref: BRANZ Appraisal No 797
✓ Energy Efficiency	Clause H1.3.1(a) Clause H1.3.2 E	Ref: BRANZ Appraisal No 797
<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	Alkalinity of pH 7.8
✓ Vermin Resistant		Not a food source for vermin (and not treated)

<sup>1</sup> Meet or contribute to meeting these provisions when designed, used, installed and maintained in accordance with the statements and conditions of BRANZ Appraisal 797.

<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 Acoustic Wall Insulation 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 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 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](http://www.mammoth.co.nz)

### Appraised

Some Mammoth Wall Sections Blankets have been appraised by BRANZ and are covered by BRANZ Appraisal 797 (2014).

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