



SKILLION CEILING INSULATION



APPLICATION

Mammoth™ Skillion Sections are designed to promote high thermal performance in modern skillion roof designs. The high density sections are made from 100% polyester with a controlled loft to ensure the required 25mm air ventilation gap to the roof is always maintained. They are Red List Free and allow a smooth crease-free friction-fit to enhance thermal performance.

FEATURES & BENEFITS

- Semi-rigid 100% Airlay polyester sections.
- Controlled loft to provide assured air-space to roof lining.
- Self-supporting, friction fit.
- Red List Free - no formaldehyde or pesticides added.
- Heat bonded - no glues or resins used in manufacture.
- Moisture resistant in the event of roof leaks. Will continue to perform once dried out.
- Safe and easy to work with.
- Non-irritant and non-toxic - no precautions are required for handling the product.
- Mammoth Skillion sections are BRANZ appraised.
- Performance warranted for 50 years (Ts&Cs apply).
- Made in New Zealand by a carboNZero certified organisation.

PRODUCT RANGE

PRODUCT RANGE			kg/m ³	PRODUCT R-VALUE	NOMINAL THICKNESS (MM)	DIMENSIONS	PIECES PER PACK	TOTAL AREA (M ²)
Skillion Sections	✓	✓	32.87	R 2.9	115	560mm x 1.2m	3	2.02
	✓	✓	32.87	R 2.9	115	860mm x 1.2m	5	5.16
	✓	✓	15.15	R 3.2	165	570mm x 1.2m	5	3.42
	✓	✓	15.15	R 3.2	165	870mm x 1.2m	4	4.18

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 ¹
✓ Internal Moisture	Clause E3.3.1	Ref: BRANZ Appraisal No 797 ¹
✓ Hazardous Building Materials	Clause F2.3.1	Ref: BRANZ Appraisal No 797 ¹
✓ Energy Efficiency	Clause H1.3.1(a) Clause H1.3.2 E	Ref: BRANZ Appraisal No 797 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 meeting these provisions when designed, used, installed and maintained in accordance with the statements and conditions of BRANZ Appraisal 797.

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 Skillion Ceiling Insulation Sections 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 Skillion Ceiling Sections can be found at www.mammoth.co.nz/downloads. For further information 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

BRANZ Appraised

Mammoth Skillion Roof Sections have been tested by BRANZ and is covered by BRANZ Appraisal 797 (2014).

™ Mammoth is a trademark of InZone Industries Limited