



# NOVAHUSH PANEL ABSORBER



## APPLICATION

Mammoth NOVAhush Panel Absorber acoustic insulation is 100% polyester and designed to be used as an interior surface lining in commercial or residential spaces to help reduce noise reverberation. It is a semi rigid board in white, black or grey. With a Group 1S fire rating under the ISO 9705 Fire test, it is suitable for use in exit ways and a variety of occupied spaces and HVAC systems.

## FEATURES & BENEFITS

- High Acoustic performance - up to NRC 1.05.
- Safe to use as an Interior surface liner - ISO 9705 Fire Test - Group 1S rating.
- Red List Free - Living Future Building Institute.
- NOVAhush Panel Absorber is not affected by moisture. If, for any reason, it gets wet it will dry out with no adverse effect on its performance or durability.
- Lightweight and easy to handle.
- No precautions are required for handling the product - it will not cause irritation when touched.
- Can be manufactured with a white or black face. Also available in grey without a face.
- NOVAhush panels are resistant to vermin.
- Odourless, non-irritant and chemical free.
- Manufactured in New Zealand by a carboNZero certified organisation.

## PRODUCT RANGE

PRODUCT RANGE	 License number: 2019/060 Thermal Insulation (2016) Building Products	 BRANZ Appraised Appraisal No. 7187 (2015)	NRC	PRODUCT R-VALUE	NOMINAL THICKNESS (MM)	DIMENSIONS (MM)	PIECES PER PACK	TOTAL AREA (M2)
Panel Absorber								
35-25mm			0.70	0.70	25	2400 x 1200	12	34.56
35-50mm			0.90	1.40	50	2400 x 1200	6	17.28
35-75mm			0.95	2.04	75	2400 x 1200	4	11.52
20-100mm			0.95	2.63	100	2400 x 1200	3	8.64
40-100mm			1.05	3.23	100	2400 x 1200	3	8.64

\*NOVAhush can be manufactured in other dimensions subject to minimum order quantities. NOVAhush Panel Absorber is designed for acoustic application and not recommended for visual applications as the surface may show creases, wrinkles or slight colour variations due to the manufacturing process.

\*Thermal resistances are estimates based on test results for products with similar nominal weight.

# TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
<b>New Zealand Building Code</b>		
✓ Durability	Clause B2.3.1 b) 50 years	
✓ 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>1</sup>	Polyester products are 'non-toxic'
✓ Non Irritant	OSH Health and Safety Guidelines <sup>1</sup>	Polyester products are 'non-irritant'
✓ Respiratory Safe	n/a	Polyester fibres are non-respirable
✓ Fire Test	ISO 9075	Group 1S
✓ VOC Emission Safe <sup>3</sup>	Total VOC ≤ 0.5mg/m <sup>3</sup>	< 0.005mg/m <sup>3</sup> - level below detection <sup>2</sup>
	Formaldehyde ≤ 0.06mg/m <sup>3</sup>	< 0.009mg/m <sup>3</sup> - level below detection
✓ Glue Free		Free from all glues or chemical binders
<b>Other</b>		
✓ Non Corrosive	NZS 4222	Alkalinity of pH 7.8
✓ Vermin Resistant	n/a	Not a food source for vermin (and not treated)

<sup>1</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>2</sup> Mammoth™ has been tested under ASTM D5116. Based on test results for a product with similar nominal weight.

<sup>3</sup> All individual VOCs were less than their threshold limit values. Carcinogens and reproductive toxins were not identified as part of the VOCs.

Mammoth™ NOVAhush Panel Absorber is compliant with the Building Code of Australia C1.1 (AS ISO 9705) and the New Zealand Building Code C/VM2 (ISO 9705) as a surface lining material for walls and ceilings and also as a HVAC duct liner.

## SPECIFICATION & INSTALLATION

### Installation

Mammoth™ Panel Absorber must be installed according to the manufacturer's guidelines. Installation Instructions for Mammoth Panel Absorber can be found at [www.mammoth.co.nz](http://www.mammoth.co.nz) 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](http://www.mammoth.co.nz)