



# ACOUSTIC WALL BLANKET



## APPLICATION

Mammoth™ NOVAhush acoustic insulation is designed to help reduce sound transmission at all frequencies and performs as an acoustic infill material by providing sound absorption within the cavity. NOVAhush acoustic wall insulation is available in two forms: blankets and wall sections. Wall blanket insulation is best suited for long unimpeded wall cavities and can be stapled to the top dwang and extend between studs to fill the cavity.

## FEATURES & BENEFITS

- 100% polyester carded insulation in a soft, roll-form to absorb noise
- NOVAhush acoustic products reduce sound transmission at all frequencies
- Provides thermal insulation also
- Secured by stapling within the wall cavity
- Red List Free - no formaldehyde or pesticides added
- Moisture resistant
- Non-irritant and non-toxic - no precautions are required for handling the product
- Manufactured in New Zealand by a carboNZero Certified Organisation

## PRODUCT RANGE

PRODUCT RANGE			NRC	PRODUCT R-VALUE	NOMINAL THICKNESS (MM)	DIMENSIONS (MM)	PIECES PER PACK	TOTAL AREA (M2)
NOVAhush Blanket								
580 gsm			0.70		60	600 x 25000	2	30.00
750 gsm			0.85		60	600 x 11110	3	20.00
900 gsm					90	600 x 11110	3	20.00
1000 gsm			0.90		90	600 x 11110	3	20.00
1150 gsm					75	600 x 11110	3	20.00
Soundblanket 1100 gsm					90	580 x 11490	3	20.00

Mammoth™ NOVAhush is available in different densities depending on the acoustic application and performance required. Contact Mammoth or your authorised distributor to discuss your requirements.

### BUILDING SYSTEM PERFORMANCE (with 13mm plasterboard lining both sides)

Product	Studs	Transmission Performance (STC Class/Rw)
NOVAhush 580 gsm	64mm steel	41 (Rw 41)
NOVAhush 750 gsm	64mm steel	43 (Rw 42)
NOVAhush 900 gsm	92mm steel	48 (Rw 47)
Soundblanket 1100 gsm	64mm steel	TBC

# TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
<b>Sound Absorption</b>		
✓ Noise Reduction Coefficients (NRC)	ASTM C423	As shown on product table
<b>Product Safety</b>		
<b>New Zealand Building Code</b>		
✓ Durability	Clause B2.3.1 a) 15 years Clause B2.3.1 b) 50 years	BRANZ Appraisal No 797 (2012)
✓ Internal Moisture	Clause E3.3.1	BRANZ Appraisal No 797 (2012)
✓ Hazardous Building Materials	Clause F2.3.1	BRANZ Appraisal No 797 (2012)
✓ 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 9705	Group 1S
	AS/NZS60695.2.11	Passed - Glow wire Flammability test
	AS/NZS60695.11.5	Passed - Test flames (Needle-flame test)
✓ VOC Emission Safe <sup>2</sup>	Total VOC ≤ 0.5mg/m <sup>3</sup>	< 0.005mg/m <sup>3</sup> - level below detection 4
	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	Materials composed entirely of polyester are regarded as non-corrosive and are exempt from testing. Alkalinity of pH 7.8
✓ Moisture resistant <sup>3</sup>		Absorption rate of less than 0.2% by weight
✓ Vermin Resistant		Not a food source for vermin (and not treated)
✓ Odourless		Mammoth is odourless and will not absorb odours

<sup>1</sup> Occupational Health and Safety Service. Health and Safety Guidelines for the Selection and Safe Handling of Synthetic Mineral Fibres. Department of Labour, 1994.

<sup>2</sup> All individual VOCs were less than their threshold limit values. Carcinogens and reproductive toxins were not identified as part of the VOCs. Based on test results for a product with similar nominal weight.

<sup>3</sup> If the products should become wet the full thermal performance will be restored once the product is dried completely

## SPECIFICATION & INSTALLATION

### Installation

Mammoth™ Acoustic Wall Blanket must be installed according to the manufacturer's guidelines. Installation Instructions for Mammoth Acoustic Blanket 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)