

NOVAhush

50
Year Warranty*



Bafflestack Insulation

APPLICATION

Mammoth™ NOVAhush Bafflestack insulation is made in New Zealand from 100% lofted, thermally bonded polyester fibre. It is designed for use in the ceiling cavity to reduce sound transmission over the ceiling path. In high rise buildings and offices, Mammoth™ NOVAhush Bafflestacks are commonly used over 63mm and 89mm stud fit outs with acoustic infill, with or without resilient rails.

Single Stack

Compression rate	Typical Plenum height	Number in the stack	Lineal Metre	m ²	Number of Bales r ^q 'd	Anticipated CAC
10%	600	7	1	4.2	0.21	39
10%	800	9	1	5.4	0.27	39
10%	1200	14	1	8.4	0.42	39
10%	1500	17	1	10.2	0.51	39
<hr/>						
30%	600	9	1	5.4	0.27	43
30%	800	12	1	7.2	0.36	43
30%	1200	18	1	10.8	0.54	43
30%	1500	21	1	12.6	0.63	43
<hr/>						
50%	600	12	1	7.2	0.36	55*
50%	800	16	1	9.6	0.48	55*
50%	1200	24	1	14.4	0.72	55*
50%	1500	24	1	14.4	0.72	55*

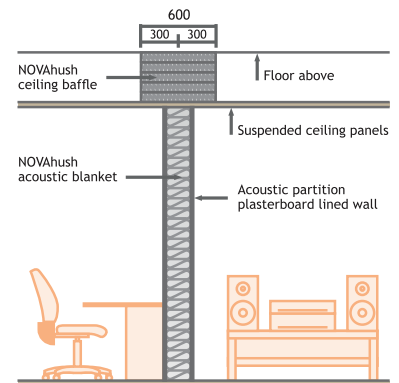
Double width stack

Compression rate	Typical Plenum height	Number in the stack	Lineal Metre	m ²	Number of Bales r ^q 'd	Anticipated STC
10%	600	7	1	8.4	0.42	53*
10%	800	9	1	5.4	0.27	53*
10%	1200	14	1	8.4	0.42	53*
<hr/>						
30%	600	9	1	5.4	0.27	69*
30%	800	12	1	7.2	0.36	69*
30%	1200	18	1	10.8	0.54	69*
30%	1500	21	1	12.6	0.63	69*



PRODUCT FEATURES AND BENEFITS

- Mammoth™ NOVAhush Baffle reduces the need for any constructed cavity walls within a building.
- Mammoth™ NOVAhush Baffle blanket is laid over existing services in the ceiling cavity.
- Mammoth™ NOVAhush Baffle contains recycled polyester fibre made from plastic bottles.
- Mammoth™ NOVAhush Baffle helps to create comfortable internal environments by improving sound insulation between spaces. Using NOVAhush will reduce sound intensity at all frequencies.
- Mammoth™ NOVAhush is safe and easy to work with. No precautions are required for handling the product. It will not cause irritation when touched, and gives off no fumes or odours.
- Mammoth™ is manufactured in New Zealand.
- Mammoth™ guarantee that, provided the insulation is installed correctly and remains adequately protected it will perform as well as when installed for at least 50 years.*



PRODUCT RANGE

BALE PACK SIZES

PRODUCT RANGE	PRODUCT WEIGHT (grams/m ²)	NOMINAL THICKNESS (mm)	DIMENSIONS (mm)	PIECES PER PACK	TOTAL AREA (m ²)
Mammoth™ NOVAhush Product Range					
Mammoth™ NOVAhush Bafflestack	1000	100	600x11110	3	20.00

*Terms and Conditions Apply

TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
New Zealand Building Code		
✓ Durability	Clause B2.3.1 a) 15years Clause B2.3.1 b) 50years	Mammoth™ NOVAhush acoustic blanket has the same technical attributes as Mammoth™ Ceiling Blanket.
✓ Internal Moisture	Clause E3.3.1	
✓ Hazardous Building Materials	Clause F2.3.1	
Product Safety		
✓ Non Toxic	OSH Health and Safety Guidelines ¹	Polyester products 'non-toxic' and 'non-irritant'
✓ Non Irritant		
✓ Respiratory Safe	n/a	Polyester fibres are non-respirable
✓ Fire Test	ISO 9705	Group IS
✓ VOC Emission Safe	Total VOC ≤ 0.5mg/m ³ Formaldehyde ≤ 0.06mg/m ³	≤ 0.005mg/m ³ level below detection ² ≤ 0.009mg/m ³ level below detection
Other		
✓ Non Corrosive	AS/NZS4859.1	Materials composed entirely of polyester are regarded as non-corrosive and are exempt from testing. Polyester has alkalinity of pH7.8
✓ Moisture Resistant ³	ASTM C1104	0.3% by weight
✓ Vermin Resistant	n/a	Not a food source for vermin (and not treated)
✓ Odourless	n/a	NOVAhush is odourless and will not absorb odours

1 Occupational Health and Safety Service. Health and Safety Guidelines for the Selection and Safe Handling of Synthetic Mineral Fibres. Department of Labour, 1994, p18.
 2 All individual VOCs were less than their threshold limit values. Carcinogens and reproductive toxins were not identified as part of the VOCs test by CETEC PTY Ltd and based on test results for another product with similar nominal weights.
 3 If the product should become wet the full performance will be restored once the product is dried completely

SPECIFICATION AND INSTALLATION

For NOVAhush specification advice contact an InsulPro representative.

NOVAhush Baffle must be installed according to the manufacturer's guidelines, which are printed on the back of each bale label.

These guidelines are also available at mammoth.co.nz or call Mammoth™



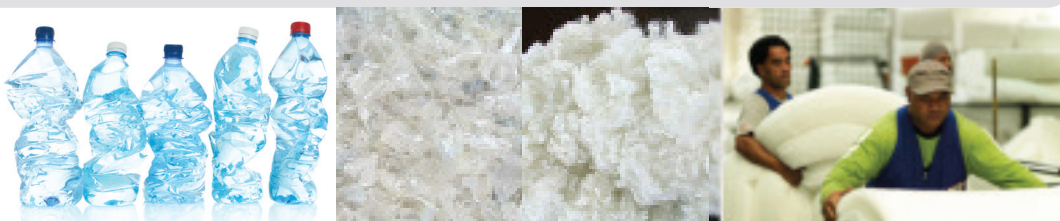
Mammoth™
MODERN INSULATION

27 Birmingham Road,
East Tamaki, Manukau 2013
PO Box 204 289
Highbrook, Auckland 2061
T: +64 9 438 8958
F: +64 9 438 8957
E: info@mammoth.co.nz

A SUSTAINABLE CHOICE

- All Mammoth™ products are Red List Free - Living Future Building Institute.
- Manufactured by a carboNZero certified organisation.
- Mammoth™ products contain recycled polyester fibres. The recycled fibre used by Mammoth™ comes from recycled plastic bottles.
- Recycling plastic protects the environment by keeping the carbon content locked up in the polyester fibre and reducing landfill waste.
- Mammoth™ products are made in a near zero waste production process and are fully recyclable.

For more information go to mammoth.co.nz or contact a Mammoth™ representative



Declare.

NOVAhush
InZone Industries Ltd.
Final Assembly: New Zealand
Life Expectancy: 50 Years +
End of Life Options: Salvagable/Reusable in its Entirety, Recyclable

Ingredients:
Polyester Hollow Conjugate Staple Fibre (Seoul, Korea), Polyester Staple Non-Siliconized Fibre (Taipei, Taiwan), Polyester Staple Fibre (Negeri, Sembilan), Finish Oils (Seoul, Koera), Flame Retardant Agent (Phosphate) (Seoul, Korea)

Living Building Challenge Criteria:
INZ-0002 EXP: 09/01/2015
VOC Content: 0.09 mg/m³ VOC Emissions: CDPH Compliant
Declaration Status LBC Red List Free LBC Compliant Declared

www.declareproducts.com.au | www.declareproducts.com.au
INTERNATIONAL LIVING FUTURE INSTITUTE™ | declareproducts.com