

Mammoth NOVAhush Bafflestack insulation

Product Technical Statement: 103441



Polyester insulation designed to reduce sound transmission between spaces, over the ceiling paths

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include self-assessment and technical information by manufacturer



Mammoth NOVAhush confirms that this minimum level of assurance has been met or exceeded by the following:

Mammoth

[Bafflestack Insulation Product Data Sheet](#)

Technical Statement

Product Description

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, NOVAhush Bafflestacks are commonly used over 64mm and 92mm stud fit outs with acoustic infill, with or without resilient rails and compressed. NOVAhush Bafflestack creates a quieter, more energy efficient environment.

Scope of use

Mammoth NOVAhush Acoustic Bafflestack blanket is designed for use in the ceiling plenum space to reduce sound transmission over the ceiling path. In high rise buildings and offices, NOVAhush Bafflestack is commonly over internal partitions and glazing, with or without resilient rails and compression.

Mammoth NOVAhush Bafflestack requires compression within the plenum space to effectively manage STC ratings, with gaps between the insulation and slab ceiling drastically reducing efficiency.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B2 Durability:** Performance B2.3.1(a), B2.3.1(b)
- **Clause E3 Internal moisture:** Performance E3.3.1
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:

Mammoth

[Bafflestack Insulation Product Data Sheet](#)

Product Criteria

Design requirements

Mammoth NOVAhush Bafflestack is thermally bonded, polyester acoustic insulation for internal walls in buildings. NOVAhush Bafflestack is compressed and layered on top of a common wall, in the ceiling cavity to reduce noise transfer between spaces.

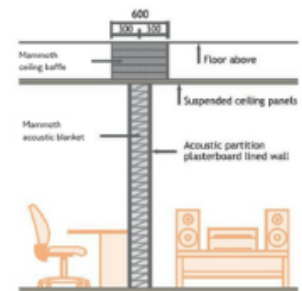
Weight (gsm)	Nominal Thickness	Dimensions	Total coverage m ²
1,000	100mm	600 x 11.1m	20m ²

Installation requirements

When installing Mammoth NOVAhush Bafflestack, be sure to:

- Keep the product dry at all times
- Ensure a snug fit is achieved
- Minimum clearances are adhered to, as per NZS 4246
- Be aware of all hazards in the ceiling.

Stack the Mammoth NOVAhush insulation in layers, lengthwise over the common wall. As the roll is continuous, simply tear to required length. Centre the stack so that there is 300mm equally installed each side of the common wall (unless installing a double stack or otherwise specified). Use the cut edge as a guide to install the correct number of layers - compressing the baffles to fill the void. We



masterspec partner

Company Contact Details



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recommend the ceiling tile face and top of the wall have acoustic foam applied when installing the last Bafflestack to reduce the chance of acoustic flanking at this junction.

Maintenance requirements

NOVAhush requires no maintenance. Once installed, it will fit to the space and will retain its performance for 50 years (with correct installation).

Warrantees

<http://www.mammoth.co.nz/range/50-year-warranty>

Company Product Information

Environmental

Effective insulation helps to limit the amount of energy used to heat homes and other buildings. InsulPro's commitment to sustainability starts with high quality insulation products. For over a decade InsulPro has been improving product technology and installation techniques to make sure the Mammoth product range delivers excellent results.

The Mammoth range is made from 100% polyester fibre. Polyester is made from a substance called PET, which is what plastic bottles are made from. PET can easily be recycled. InsulPro supports polyester recycling in two ways; using recycled fibre from plastic bottles as part of the Mammoth NOVAhush product range and recycling production off-cuts back into the process. Plastic packaging for the products is also recyclable. Our commitment to our sustainability journey continues - InsulPro is a carboNZero certified organisation and all Mammoth products are Red List Free (Declare programme).

Mammoth NOVAhush helps create a warmer, more healthy living space - enabling a more energy efficient space. This protects our environment by reducing our fossil fuel consumption.

Relationships



New Zealand Made



Member of New Zealand Green Building Council



carboNZero certified



Declare Red List Free



NZ Green Building Council



Date last validated: **26 June 2015**



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