

# GreenStuf® AAB Acoustic Absorption Blanket

Product Technical Statement: 101147



Exposed acoustic absorber suited for use with acoustic panels and ceiling systems.

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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



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

Declare - International Living Future Institute

[GREENSTUF® ACOUSTIC AND THERMAL INSULATION PRODUCT RANGE - ATX-0001](#)



The following information has been provided by GreenStuf® demonstrating how this product complies with the [Building Product Information Requirements](#).

## Technical Statement

### Product Class

CLASS 1

### Product Description

GreenStuf® Acoustic Absorption Blanket (AAB) is engineered to maximise sound absorption for the control of reverberated noise in building interiors. GreenStuf AAB is ideal for managing noise in theatres, studios, auditoriums, halls, offices, retail and indoor swimming pool complexes. GreenStuf AAB can also be used in marine applications, as acoustic baffles, acoustic infill for silencers and louvres, and insulation for Original Equipment Manufacturers (OEM). Available in black, grey, and white.

### Features

- Available in a range of densities and performance options
- Supplied in black, white, or grey insulation panels/sheets
- Independently tested & assessed achieving NZBC Fire Standards
- Thermally bonded without harmful chemicals
- Safe and easy to install without PPE
- Made locally in New Zealand

### Scope of use

#### Limitations on Use of Building Product

- GreenStuf AAB must be installed only when the building is enclosed and when construction materials have achieved the required maximum moisture content or less.
- GreenStuf AAB might not be suitable for some applications as stipulated in NZBC C1-C6 Protection from fire. Please consult a fire engineer before specifying GreenStuf insulation.

### 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), B2.3.2  
GreenStuf AAB is expected to have a serviceable life of at least 50 years where the insulation is not crushed or exposed to conditions that will degrade its performance and the building is maintained so that the provisions of E2 and E3 clauses are met.
- **Clause F2 Hazardous building materials:** Performance F2.3.1  
There are no known hazards when using or handling GreenStuf AAB.
- **Clause H1 Energy efficiency :** Performance H1.3.1(a), H1.3.2E  
GreenStuf AAB R-values have been determined by testing to AS/NZS 4859.1:2018

### Notes

NZBC Compliance - GreenStuf® thermal insulation when installed in accordance with the manufacturer's instructions will satisfy the 50 year durability clause NZBC B2.3.1 (a).

**Non Flammable** - GreenStuf® is classified non-flammable. **Fire Ratings ISO 9705: 1993**

Classification: Group 1-S

Smoke Production Rate: <5.0m<sup>2</sup>/s



## masterspec partner

### Company Contact Details



Brand:	GreenStuf®
Company:	Autex Acoustics
Physical Address:	702/718 Rosebank Road Avondale Auckland
Postal Address:	Private Bag 19988 Avondale AUCKLAND
Telephone:	64 800 428839
Email:	<a href="mailto:enquiries@autex.co.nz">enquiries@autex.co.nz</a>
Website:	<a href="https://greenstuf.co.nz/products/greenstuf-acoustic-absorption-blanket">https://greenstuf.co.nz/products/greenstuf-acoustic-absorption-blanket</a>

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As required by NZBC C/VM2

Issued 11th March 2013 BRANZ (FAR 4045)

## AS1530.3

Ignitability Index (0-20) 0

Heat Evolved Index (0-10) 0

Spread of Flame Index (0-10) 0

Smoke Developed Index (0-10) 3

APL Report 98055

## IEC 60695-11-5 (Downlight Fire Test Standard)

GreenStuf® has been tested and certified non-flammable and complies with the requirement of IEC 60695-11-5

## Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

Refer to the technical documentation and testing available on the website:  
<https://greenstuf.co.nz/products/greenstuf-acoustic-absorption-blanket>

## Supporting Evidence

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



Declare - International Living Future Institute

[GREENSTUF® ACOUSTIC AND THERMAL INSULATION PRODUCT RANGE - ATX-0001](#)

## Use in Service History

In service use over 20 years.

## Product Criteria

### Design requirements

#### Applications

GreenStuf® AAB has been engineered to maximize sound absorption for the control of reverberated noise in building interiors. AAB is ideal for managing noise in theatres, studios, auditoriums, halls, offices, retail and indoor swimming pools complexes. AAB can also be used in marine applications, as acoustic baffles, acoustic infill for silences and louvres, and insulation for Original Equipment Manufacturers (OEM).

### Installation requirements

GreenStuf AAB should ideally be installed with the textured/patterned surface exposed to the sound source.

GreenStuf AAB can be fixed to wall and ceiling substrates using a contact type adhesive (ADOS F2) and/or mechanical fixings such as insulation anchors.

Additional information and advice are available from your GreenStuf account manager or by visiting our website: [www.greenstuf.co.nz](http://www.greenstuf.co.nz)

Greenstuf insulation may not be suitable for all applications, as stipulated in the NZBC. Please consult a fire engineer when specifying GreenStuf insulation or contact your GreenStuf account manager for further information.

### Maintenance requirements

Greenstuf will maintain its durability when installed inline with the installation instructions. No maintenance is required.

### Warrantees

Material warranty: 50 years

## Company Product Information

### Environmental

All GreenStuf® products are manufactured from 100% polyester fibre and contain a minimum of 45% already recycled fibre (from PET plastic) and are manufactured under Autex's zero waste policy.

GreenStuf® products are Green Star NZ & Homestar compatible and GreenStuf® products have been independently assessed and verified compliant with Living Building Challenge projects.

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**ISO Standards** - Autex is committed to Quality and Environmental best practice through our ISO 9001 & ISO 14001 certified Quality and Environmental Management Systems.

GreenStuf is recyclable. GreenStuf will gladly recycle used, uncontaminated GreenStuf insulation to help keep it out of landfills. For more information on recycling GreenStuf contact GreenStuf on freephone 0800 428 839.

## Quality Assurance



ISO 9001 (Quality Management)

## Relationships



New Zealand Made

## Building Product Information Requirements

### Manufacturer

**Legal Trading Name:**

Autex Acoustics

**Business Email:**

enquiries@autex.co.nz

**Company Website:**

<https://www.autexacoustics.co.nz/>

**Contact Number/s:**

+64 800-428839

0800 428839

### Product Identifier

PAB

### Warnings

This product has no warnings associated with it.



Date last validated: **12 December 2023**



Date last updated: **12 December 2023**

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