

Thermal insulation designed for insulating strapped and lined concrete/masonry walls.

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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:

BRANZ Appraisal
[380 \(2021\)](#)



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® Masonry Wall Blanket is 100% polyester thermal insulation designed for insulating strapped and lined concrete/masonry walls. Greenstuf Masonry Wall Blanket is pre-cut to fit standard timber strapping set at 60mm centres.

Features

- Independently tested & assessed achieving NZBC Fire Standards
- Naturally resistant to insects and vermin
- Safe to touch 100% polyester
- Made in New Zealand

Scope of use

Limitations on Use of Building Product

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

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 Masonry Wall Blanket 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 E3 Internal moisture:** Performance E3.3.1
GreenStuf Masonry Wall Blanket R-values have been determined by testing to AS/NZS 4859.1:2018
- Clause F2 Hazardous building materials:** Performance F2.3.1
There are no known hazards when using or handling GreenStuf Masonry Wall Blanket.
- Clause H1 Energy efficiency :** Performance H1.3.1, H1.3.2E
GreenStuf Masonry Wall Blanket 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). GreenStuf® meets the relevant clauses of NZBC E3 Internal Moisture, F2 Hazardous Building Materials, and will contribute to meeting H1 Energy Efficiency.



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: enquiries@autex.co.nz
Website: <https://greenstuf.co.nz/products/masonry-wall-blanket>

Clause E3 Internal Moisture- Autex GreenStuf® will contribute to meeting this requirement - see paragraphs 12.1 and 12.2 of the Branz appraisal.

Clause HI Energy Efficiency - Autex GreenStuf® will contribute to meeting this requirement - see paragraphs 13.1 - 13.8 of the Branz appraisal.

Non Flammable - GreenStuf® is classified non-flammable.

Fire Ratings ISO 9705: 1993

Classification: Group 1-S

Smoke Production Rate: <5.0m²/s

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 information available on the website:
<https://greenstuf.co.nz/products/masonry-wall-blanket>

Supporting Evidence

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



BRANZ Appraisal
[380 \(2021\)](#)

Use in Service History

In service history - 30+ years

Product Criteria

Design requirements

GreenStuf Masonry Wall Blanket is designed to be friction-fitted between strapping or battens on masonry walls.

GreenStuf Masonry Wall Blanket must be installed only when the building is enclosed and when construction materials have achieved the required maximum moisture content or less.

GreenStuf Masonry Wall Blanket might not be suitable for some external wall applications as stipulated in NZBC C1-C6 Protection from fire. Please consult a fire engineer before specifying GreenStuf insulation in external walls.

Installation requirements

GreenStuf Masonry Wall Blanket must be installed according to the Install Instructions included in each GreenStuf pack and NZS 4246.

GreenStuf Masonry Wall Blanket must be released from packaging and allowed to re-loft prior to installation. The time to re-loft depends upon the length of time the product has been packaged and stored, as well as the environmental conditions it is left in after being taken out from its packaging.

GreenStuf Masonry Wall Blanket must be neatly friction-fitted between strapping or battens to ensure no gaps.

GreenStuf Masonry Wall Blanket must be stapled to the strapping or battens on both sides and at the top of each blanket to hold the insulation until wall linings are in place.

Refer to NZS 4246 for required minimum clearances to heating appliances and light fittings.

Where possible, insulation should be placed beneath electrical wiring or plumbing.

Maintenance requirements

GreenStuf Masonry Wall Blanket must not be compressed over its serviceable life. Compressing GreenStuf Masonry Wall Blanket can lead to reduced thermal performance.

If GreenStuf Masonry Wall Blanket becomes damp or wet while in service, it must be removed and the cause of dampness must be resolved. Cavities must be clean and dry before new insulation is placed.

Warrantees

Material warranty: 50 years

Company Product Information

Environmental

All GreenStuf® insulation products are manufactured using the same materials and under the same conditions, processes and controls as the Environmental Choice New Zealand certified range as published at the date of this document. 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. For more information please contact your Autex Account Manager or visit our website.

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

Quality Assurance



ISO 9001 (Quality Management)

Relationships



New Zealand Made



Member of New Zealand Green Building Council



Environmental Choice New Zealand

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:

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0800 428839

Product Identifier

PMW

Warnings

This product has no warnings associated with it.



Date last validated: **12 December 2023**



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