

GreenStuf®

Underfloor

GreenStuf® UNDERFLOOR is 100% polyester thermal insulation rolls, precut to fit exposed timber joist floors.

Applications

GreenStuf® UNDERFLOOR is designed for the thermal insulation of existing and new timber framed buildings in accordance with NZBC H1 Energy Efficiency requirements. To ensure Building Code compliance Autex Insulation recommends that Architects and building designers consult the relevant NZ Standards before specifying thermal insulation products:

NZBC H1/AS1 Energy Efficiency, 2.0 Building Thermal Envelope
 NZS 4218: Energy Efficiency - Small Building Envelope
 NZS 4243: Energy Efficiency - Large Buildings - Thermal Envelope
 NZS 4246: Energy Efficiency - Installing Insulation in Residential Buildings

Technical

NZBC Compliance: GreenStuf® thermal insulation when installed in accordance with the manufacturers 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.

Acoustic Performance: GreenStuf® UNDERFLOOR will assist in reducing airborne sound from floors (including booming from footfall) by absorbing reverberant noise under the floor.

Durability: GreenStuf® has a 50 Year Durability Warranty.

Moisture: GreenStuf® is not affected by moisture. Exposure to an atmosphere of 50°C at 90% relative humidity for four days showed moisture absorption by weight of less than 0.03%.

Hazardous Building Materials: GreenStuf® is non-hazardous.

VOC Emission Safe:

VOC concentration: 0.01 mg/m³ (7 days).

GECA/GreenGuard Limit: 0.25 mg/m³ (7 days).

Cetec Pty Ltd (Report:RCV080408)

Vermin: GreenStuf® is naturally resistant to insect and vermin attack.



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 requirements of IEC 60695-11-5.

Non Corrosive: GreenStuf® polyester is pH7.8 (pH7 is neutral).

Non Toxic, Non Allergenic, Non Irritant: There are no known hazards with the use or handling of GreenStuf® polyester.

PRODUCT (R Value)			NOMINAL THICKNESS (mm)	PACK SIZE	m ² /PACK
R1.5 UNDERFLOOR	✓	✓	100mm	450mm x 8.9m x 5 Rolls per Pack 500mm x 10m x 4 Rolls per Pack 600mm x 8.34m x 4 Rolls per Pack	20m ² 20m ² 20m ²
R1.8 UNDERFLOOR	✓	✓	100mm	450mm x 7.78m x 5 Rolls per Pack 500mm x 8.75m x 4 Rolls per Pack 600mm x 7.29m x 4 Rolls per Pack	17.50m ² 17.50m ² 17.50m ²

Other widths and pack sizes may be available on request. MOQ may apply.

Installation: Autex Insulation recommends that all thermal and acoustic insulation be installed in accordance with the manufacturer's instructions (included on each GreenStuf® UNDERFLOOR pack) and NZS 4246 Energy Efficiency - Installing Insulation in Residential Buildings. Visit www.autex.co.nz to view an installation video.

MSDS: Material Safety Data Sheets (MSDS) are available on request from your Autex Representative or by visiting our website: www.autex.co.nz

Specification & Substitution: Autex specification documents are available through Masterspec® or can be downloaded from our website (www.autex.co.nz). Substitution of any products in NZBC compliant systems should not be accepted and we recommend this be made clear in all specification and tender documents.

Take Back Programme: Autex will gladly recycle used, uncontaminated GreenStuf® insulation to help keep it out of landfill. For more information on recycling GreenStuf® contact Autex on freephone 0800 428 839.

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

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

GreenStuf® is manufactured in New Zealand by Autex Insulation, a division of Autex Industries Limited. Autex retains the right to change products and specifications without prior notice. If a specification is critical to end use situation please discuss your requirements with your Autex Representative.

GreenStuf® is a registered trademark of Autex Industries.

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ISO 9001 AND ISO 14001 CERTIFIED