



## Skillion Roof Blanket

GreenStuf® SKILLION ROOF BLANKET is 100% polyester thermal insulation blanket/rolls designed and manufactured to deliver higher R-Value performance in depth-restricted construction cavities such as Skillion Roof situations.

### Applications

GreenStuf® SKILLION ROOF BLANKET is designed for the thermal (and acoustic) insulation of buildings in accordance with NZBC H1 Energy Efficiency, and G6 Acoustic Design requirements. GreenStuf® Skillion Roof Blanket has been designed for common use as a roof blanket, and can also be used in ceilings, in mid-floor cavities and as a high-performance underfloor insulation. 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 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.

**Thermal Performance:** GreenStuf® SKILLION ROOF BLANKET range has been laboratory tested to ASTM C518-04 and all products are guaranteed by Autex to meet the stated thermal performance ratings. GreenStuf® SKILLION ROOF BLANKET bales are supplied with labelling compliant with AS/NZS 4859.1

**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.

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



#### VOC Emission Safe:

VOC concentration: 0.01 mg/m<sup>3</sup> (7 days).

GECA/GreenGuard Limit: 0.25 mg/m<sup>3</sup> (7 days).

Cetec Pty Ltd (Report:RCV080408)

**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

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 fire 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	PACK SIZE	m <sup>2</sup> /PACK
R2.9 Skillion Roof Blanket	115mm	870mm x 2400mm x 4 pads per bale	8.35m <sup>2</sup>
R3.2 Skillion Roof Blanket	165mm	870mm x 2400mm x 4 pads per bale	8.35m <sup>2</sup>
R3.4 Skillion Roof Blanket	165mm	870mm x 2400mm x 4 pads per bale	8.35m <sup>2</sup>
R3.6 Skillion Roof Blanket	165mm	870mm x 2400mm x 4 Pads per bale	8.35m <sup>2</sup>
Other widths and pack sizes can be supplied 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 in each GreenStuf® pack) and NZS 4246 Energy Efficiency - Installing Insulation in Residential Buildings.

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

**Specification & Substitution:** Autex specification documents are available through Masterspec® or can be downloaded from our website ([www.autex.co.nz](http://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.

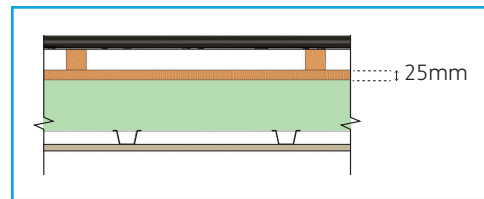
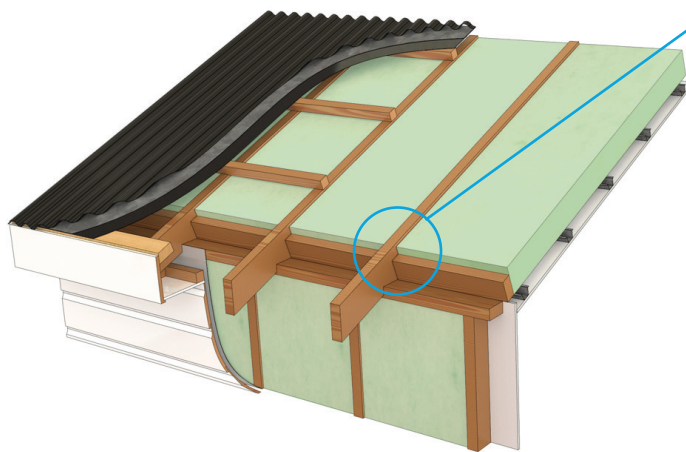
**Take Back Programme:** Autex will gladly recycle used, uncontaminated GreenStuf® insulation to help keep it out of landfill. For more information on recycling GreenStuf® contact Autex on freephone 0800 428 839.

**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® Skillion Roof Blanket is designed to be used in skillion roof constructions while still achieving the minimum 25mm clearance between the roof underlay and insulation.



PRODUCT (R Value)	NOMINAL THICKNESS	TIMBER FRAMING
R2.9 Skillion Roof Blanket	115mm	to fit 140mm Timber Framing
R3.2 Skillion Roof Blanket	165mm	to fit 190mm Timber Framing
R3.4 Skillion Roof Blanket	165mm	to fit 190mm Timber Framing
R3.6 Skillion Roof Blanket	165mm	to fit 190mm Timber Framing

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.

GS\_NZ\_DS\_Skillion-Roof-Blanket-Data-Sheet\_June13\_v1



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ISO 9001 AND ISO 14001 CERTIFIED