



Building Insulation Blanket (BIB)

GreenStuf® BIB is 100% polyester thermal insulation blanket. GreenStuf® BIB is a non-irritant thermally efficient insulation material designed for insulating commercial and industrial roofs. GreenStuf® BIB is supplied as lofted green-tinted insulation blanket for commercial roofing applications.

Applications

GreenStuf® BIB is designed for the thermal and acoustic insulation of commercial and industrial buildings and will assist in meeting the requirements of Sections J and F of the volumes one and two of Building code of Australia. To ensure Building Code compliance Autex recommends that architects and building designers consult the relevant Australian standards before specifying thermal and acoustic insulation products.

Technical

Building Regulations: GreenStuf® BIB will support and assist in meeting the following provisions of the BCA:

BCA Volume One - Class 2-9 Buildings

Section J - Energy Efficiency: Performance requirement

JP1 Section F - Health and Amenity: Sound Transmission and Insulation. Performance requirement FP 5.1 and FP 5.4

BCA Volume Two - Class 1 and Class 10 Buildings

Part 2.6 -Energy Efficiency: Performance requirement P 2.6.1

Part 3.8.6 -Health and Amenity, Sound Insulation: Performance requirements P 2.4.6.

BCA Compliance: GreenStuf® complies with the requirements of AS/NZS 4859.1 Standard for insulation and will contribute in achieving the energy efficiency requirements of the BCA.

Thermal Performance: GreenStuf Building insulation Blankets declared thermal performance ratings have been laboratory tested to ASTM C 518-04.

Nominal Thickness: The products nominal thickness is the off-line manufactured thickness. Packaging, storage and handling may affect the “out of the pack” thickness. This is not considered a manufacturing fault. If thickness is critical to a particular installation please discuss your requirements with your Autex Account Manager.



PRODUCT	NOMINAL THICKNESS (mm)	R-VALUE
BIB 1.0	50mm	1.0
BIB 1.3	75mm	1.3
BIB 1.5	100mm	1.5
BIB 1.8	100mm	1.8
BIB 2.0	120mm	2.0
BIB 2.5 - 90*	90mm	2.5
BIB 2.5	165mm	2.5
BIB 3.0 - 130*	130mm	3.0
BIB 3.0	185mm	3.0
BIB 3.5	200mm	3.5
BIB 4.0	210mm	4.0
BIB 4.5	210mm	4.5

Sizes: GSBIB is made to order. Supplied in roll or pads dependent on site requirements. All subject to minimum order quantities. Greenstuf® BIB is available in a range of colour options and can be laminated with our fire compliant E- foil on request. Products marked with * are higher density options designed to fit into commercially available roof raiser type systems.

Acoustic Performance: GreenStuf® BIB will assist in reducing reverberant noise in enclosed spaces such as gymnasiums and warehouses where left directly exposed and will assist in the attenuation of rain and other noise sources. Contact your Autex account manager for further information.

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%.

Non Flammable: GreenStuf® is classified non flammable.

Hazardous Building Materials: GreenStuf® is non hazardous.

Non Corrosive: GreenStuf® polyester is pH 7.8 (pH7 is neutral).

Fire ratings:

AS ISO 9705:2003

Australian Group Number: Group 1

SMOGRARC: less than 100m²/s²

Report No: FAR4045 non-faced

Report No: FI 5550 e-foil faced

IEC 60695-11-5 (Down-light Fire Test Standard).

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

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

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).

Durability: GreenStuf® has a 50 Year Durability Warranty GreenStuf® thermal insulation when installed in accordance with the manufacturer's instructions will satisfy the 50 year durability criteria for minimum design life as set out in the ABCB guidance document Durability in Buildings 2006. (Section 2.4).

Vermin: GreenStuf® is naturally resistant to insect and vermin attack and does not contain chemical deterrents. Birds and vermin will live and nest in all bulk-fibre insulation materials if allowed access in high risk areas. Autex recommends ensuring the buildings perimeter is vermin proofed.

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

Specification & Substitution: Documents can be downloaded from our website (www.autex.com.au). Substitution of any products should not be accepted and we recommend this be made clear in all specification and tender documents.

Installation: Autex Insulation recommends that all thermal and acoustic insulation be installed in accordance with the manufacturer's instructions and design detail. Insulation can be laid either between or under the purlins, or between the ceiling joists. An air-gap should be provided under the underlay. Insulation installed touching the underlay can condensation and over time may cause corrosion of the underside of the cladding. As set out in the ABCA guidance handbook Condensation in Buildings. If insulation is placed above the rafter and takes up the full purlin depth, air movement is inhibited. To provide sufficient ventilation, it is necessary to use a counter-batten to provide an air-gap between the insulation and underlay. The use of counter-battens requires a sufficient number of fixings to transmit the up-lift wind loads through the roof structure, and allow extra penetration depth of the cladding fixings to meet the appropriate withdrawal resistance values.

Take Back Programme: GreenStuf® is recyclable. Autex will gladly recycle used, uncontaminated GreenStuf® insulation to help keep it out of landfill. For more information on recycling GreenStuf® contact Autex on Free phone 1800 678 160.

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 manufactured in Australia by Autex Pty Ltd. 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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