GreenStuf®

Sound Solution

PROUDLY MADE IN AUSTRALIA

GreenStuf® Sound Solution® is a 100% polyester acoustic insulation material designed for timber framed residential and light commercial applications. GreenStuf® Sound Solution® is supplied in batts and rolls pre-cut to fit standard timber framed walls and mid-floor joist spacings.

Applications

GreenStuf® Sound Solution® is ideally suited for use in timber framed walls and mid-floor cavities for reducing airborne sound transfer. GreenStuf® Sound Solution® reduces resonating noise in the construction cavity thereby reducing the sound energy transferred from one side to the other. Further improvements can be achieved by using acoustically rated plasterboard, multiple layers of plasterboard, or by isolating the plasterboard from the stud.

The Building Code of Australia (BCA) sets out minimum performance ratings for inter-tenancy walls and floor-ceiling construction. The performance of a construction system relies on the design, materials and installation. Acoustic design for BCA compliance requires specialist design considerations. For information and assistance please contact your Autex Account Manager.

Performance

Acoustic Performance: Rw is the industry accepted means of determining a material or assembly's ability to resist airborne sound transfer. A higher Rw rating blocks more noise from transmitting through a construction system.

GreenStuf® Sound Solution® will assist in reducing the resonating noise inside the construction cavity. Typical improvement in sound transmission loss through walls with the use of Sound Solution® is an increase of 5-8 Rw points, effectively reducing loud voices to a slight murmur.

Typical improvement in sound transmission loss through a common residential mid-floor construction with the use of Sound Solution® is an increase of 5-7 Rw points.

Building Regulations: GreenStuf® Insulation 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
BCA Volume One - Class 2-3 and 9c Buildings
Section F - Health and Amenity: Sound Transmission and Insulation.
Performance requirement FP5.1, FP5.2, FP5.4 and FP 5.5.
BCA Volume Two - Class 1 and Class 10 Buildings
Part 2.6 -Energy Efficiency: Performance requirement P2.6.1
Part 3.8.6 - Health and Amenity, Sound Insulation:
Performance requirements P2.4.6

Thermal Performance: Greenstuf® Sound Solution® complies with the requirements as set out in AS/NZS4859.1 standard for insulation. For increased thermal performance options, Autex recommends the use of the Greenstuf® Thermal Insulation range.

PRODUCT	R-VALUE	NOMINAL THICKNESS (mm)	DIMENSIONS (mm)	BATTS/ROLLS PER PACK	m²/PACK
R1.5 Batts	R1.5	75mm	430mm x 1160mm	8 Batts	3.99m²
R1.5 Batts	R1.5	75mm	580mm x 1160mm	8 Batts	5.38m²
R2.0 Batts	R2.0	90mm	430mm x 1160mm	8 Batts	3.99m²
R2.0 Batts	R2.0	90mm	580mm x 1160mm	8 Batts	5.38m²
R2.5 Batts	R2.5	100mm	430mm x 1160mm	8 Batts	3.99m²
R2.5 Batts	R2.5	100mm	580mm x 1160mm	8 Batts	5.38m²
R2.5 Roll Form	R2.5	100mm	430mm x 11600mm	3 Rolls	14.96m²
R2.5 Roll Form	R2.5	100mm	580mm x 11600mm	2 Rolls	13.46m²

Technical

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).

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)

Non Corrosive: GreenStuf® polyester is pH7.8 (pH 7 is neutral)

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

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

Non Flammable: GreenStuf® is classified non flammable.

Fire ratings:

AS ISO 9705 - 2003
Australian Group Number: Group 1
SMOGRARC: less than 100m²/s²
Report number: 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.

Certificates available from our website.

Installation: Autex recommends that all thermal and acoustic insulation be installed in accordance with the manufacturers instructions (included on each GreenStuf® pack) and AS 3999:1992 Thermal Insulation of Dwellings - Bulk insulation, installation requirements.

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

Specification & Substitution: Autex specification documents are available 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.

Take Back Programme: Autex will take back to recycle, uncontaminated GreenStuf® insulation to help keep it out of landfill. For more information on recycling GreenStuf contact Autex on freephone 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 Account Manager.

GreenStuf® is a registered trademark of Autex Industries.

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