

# ACOUSTIC SOUND BLANKET

**GreenStuf<sup>®</sup> Acoustic Sound Blanket (ASB™) is a range of 100% polyester acoustic insulation products ideally suited for metal stud wall partitions and as an acoustic ceiling overlay in commercial applications. GreenStuf ASB is supplied in rolls pre-cut to fit standard metal stud partition walls set at 600mm centres.**

## APPLICATIONS

GreenStuf ASB can be used in metal stud partition walls and as an acoustic ceiling overlay for reducing airborne sound transfer. GreenStuf ASB reduces resonating noise in the construction cavity thereby increasing the sound transmission loss of the construction system.

To ensure Building Code compliance, architects and building designers are advised to consult an engineer or the relevant NZ standards before specifying acoustic insulation products. For information and assistance please contact your Autex account manager.

## TECHNICAL

**Fire Regulations:** GreenStuf insulation may not be suitable for all applications, as stipulated in the New Zealand Building Code (NZBC). Please consult a fire engineer when specifying GreenStuf insulation or contact your Autex account manager for further information.

**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/m<sup>3</sup> (7 days).  
GECA/GreenGuard Limit: 0.25 mg m<sup>3</sup> (7 days).  
Cetec Pty Ltd (Report: RC)

**Non-Corrosive:** GreenStuf polyester is considered non-corrosive based on AS/NZS 4859.1 Standard for insulation.

**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.

**Installation:** GreenStuf ASB should be installed in accordance with the manufacturer's instructions (included in each GreenStuf ASB pack) and the design detail and specification.

Additional information and advice is available from your Autex Account Manager or by visiting our website: [greenstuf.co.nz](http://greenstuf.co.nz)

**MSDS:** Material Safety Data Sheets (MSDS) are available on request from your Autex account manager or can be downloaded from our website: [greenstuf.co.nz](http://greenstuf.co.nz)

### Fire ratings:

ISO 9705: 1993  
Classification: Group 1-S  
Smoke Production Rate: <5.0m<sup>2</sup>/s  
As required by NZBC C/VM2  
FAR 4045-2 issued 8th October, 2013

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 02116 (Test conducted on Sound Solution Insulation).

**Durability:** Autex specification documents are available through Masterspec or can be downloaded from our website: [greenstuf.co.nz](http://greenstuf.co.nz)

The performance and design of GreenStuf ASB has been engineered to supply a tested and proven sound control system. Substitution of any specified components in a sound control system can significantly compromise the system performance.

Products of similar weight and density may not provide equivalent performance, as small variations in fibre size, structure and bonding will affect performance.

Accept NO substitutions.

**Acoustic Performance:** Acoustic performance results are provided as Sound Transmission Class (STC) ratings for metal stud partition walls using 0.55µm steel stud set at 600mm centres and lined both sides with 13mm plasterboard. All GreenStuf ASB performance testing has been carried out in a laboratory environment. On-site results could vary depending on the system design, quality of materials and installation.



Declare.<sup>TM</sup>



NAME	DENSITY	THICKNESS	PACK SIZE	M <sup>2</sup> /PACK	WEIGHT
ASB 3*	14.7kg/m <sup>3</sup>	50mm	16.5Lm x 600mm x 2 Rolls	19.8m <sup>2</sup>	735gsm
ASB 4	12.5kg/m <sup>3</sup>	60mm	11.1Lm x 600mm x 2 Rolls	13.3m <sup>2</sup>	750gsm
ASB 5	12.8kg/m <sup>3</sup>	70mm	11.1Lm x 600mm x 2 Rolls	13.3m <sup>2</sup>	900gsm
ASB 6*	14.7kg/m <sup>3</sup>	75mm	11.1Lm x 600mm x 2 Rolls	13.3m <sup>2</sup>	1,105gsm
ASB 7	14.0kg/m <sup>3</sup>	120mm	11.1Lm x 600mm x 2 Rolls	13.3m <sup>2</sup>	1,680gsm

\*Suitable for use in GIB Noise Control Systems 2018

**Non-Corrosive:** GreenStuf polyester is considered non-corrosive based on AS/NZS 4859.1 Standard for insulation.

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

**Packaging Recycling:** GreenStuf packaging is recyclable LDPE 4. Please refer to your local recycling centres for drop off and collection services.

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

**Environmental:** All GreenStuf products are manufactured using 100% polyester fibre and contain a minimum of 92% previously recycled fibre (from PET plastic). Greenstuf views waste as a resource with potential, not something to be disposed of. With this in mind, all product trimmings and offcuts are reused, and waste material goes back through production to make more GreenStuf.

GreenStuf products are Global GreenTag GreenRate Level A certified and can be used to contribute to Green Star and Homestar accreditation.

GreenStuf is also Declare certified to be Red List chemical free and can be used in Living Building Challenge projects. For more information, please contact your Autex account manager, or visit our website: [greenstuf.co.nz](http://greenstuf.co.nz)

## ON-SITE INFORMATION

GreenStuf ASB products are compression packed to minimise transportation costs and ease on-site storage and handling. Prior to use the packs should be opened to allow recovery of the insulation loft. Product recovery to the stated nominal thickness may be slowed by low temperatures and extended periods of storage in compressed packaging. Installing product at less than the stated nominal thickness does not hinder long-term acoustic performance. GreenStuf ASB products are proven to recover in-situ over time.

GreenStuf ASB is lilac or blue colour tinted to provide easy identification on site. If GreenStuf ASB products have been specified and the insulation material is not lilac tinted, it is not GreenStuf ASB and instructions should be issued to cease installation until the correct specified material is supplied.

Equivalent weight and thickness products may not provide equivalent acoustic performance as small changes to fibre size, blend and fibre bonding affect the product performance.

GreenStuf ASB should be installed with no gaps.

Drops should be mechanically fixed at the top to secure in place until the plasterboard linings are installed. GreenStuf ASB can be easily torn by hand across the width of the rolls for length. If the insulation width needs to be cut we suggest using sharp scissors or shears.

GreenStuf ASB products can also be used as an acoustic ceiling overlay to help reduce airborne sound transfer between rooms and spaces, and reduce reverberation times in open spaces. Performance will vary depending on the ceiling system design and installation. For design advice and assistance please contact your Autex account manager.

NAME	THICKNESS	64MM STC	76MM STC	92MM STC	150MM STC
Greenstuf ASB 3	50mm	STC 41	STC 42	STC 42	STC 44
Greenstuf ASB 4	60mm	STC 42	STC 42	STC 43	STC 45
Greenstuf ASB 5	70mm	STC 43	STC 43	STC 44	STC 45
Greenstuf ASB 6	75mm		STC 44	STC 45	STC 46
Greenstuf ASB 7	120mm				STC 48
No fill		STC 36	STC 37	STC 37	STC 40

STC performance may be increased further by disconnecting the plasterboard from the stud, and by using multiple layers of plasterboard.

For more information contact your Autex account manager.



#### GreenStuf<sup>®</sup> FACTORY AND COLLECTIONS

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