



## ASB Sound Blanket

GreenStuf® ASB SOUND BLANKET® 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. 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. ASB reduces resonating noise in the construction cavity thereby increasing the sound transmission loss of the construction system.

### Technical

**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:RCV080408)

**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.

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

**Non-Flammable:** GreenStuf® is classified non-flammable.

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

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



**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)

**Fire ratings:**

ISO 9705: 1993

Classification: Group 1-S

Smoke Production Rate: <5.0m<sup>2</sup>/s

As required by NZBC C/VM2

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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

PRODUCT	NOMINAL THICKNESS	WEIGHT (gsm)	PACK SIZE	m <sup>2</sup> /PACK
ASB 2	30mm	350gsm	19.0Lm x 600mm x 2 Rolls	22.8m <sup>2</sup>
ASB 3	50mm	580gsm	16.5Lm x 600mm x 2 Rolls	19.8m <sup>2</sup>
ASB 4	60mm	750gsm	11.1Lm x 600mm x 2 Rolls	13.3m <sup>2</sup>
ASB 5	70mm	900gsm	11.1Lm x 600mm x 2 Rolls	13.3m <sup>2</sup>
ASB 6	70mm	1000gsm	11.1Lm x 600mm x 2 Rolls	13.3m <sup>2</sup>

**Specification & Substitution:** Autex specification documents are available through Masterspec® or can be downloaded from our website (www.autex.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 effect performance. Accept NO substitutions.

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

**Acoustic Performance:** Acoustic performance results are provided as STC ratings for metal stud partition walls using 0.55µm steel stud set at 600mm centres and lined both sides with 13mm plasterboard. All 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.

**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

PRODUCT	WEIGHT (gsm)	DENSITY (kg/m³)	NOMINAL THICKNESS (mm)	SOUND TRANSMISSION CLASS (STC)	
				64mm Stud	92mm Stud
ASB 2	350	11.7	30mm	STC 39	STC 40
ASB 3	580	11.6	50mm	STC 42	STC 43
ASB 4	750	12.5	60mm	STC 43	STC 44
ASB 5	900	12.9	70mm	STC 44	STC 45
ASB 6	1000	14.3	70mm	STC 45	STC 46

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 representative.

## On-Site Information

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. ASB products are proven to recover in-situ over time.

ASB is lilac colour tinted to provide easy identification on site. If ASB products have been specified and the insulation material is not lilac tinted, it is not 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 effect the products performance.

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. 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.

ASB products are designed to be used in 64mm and 92mm metal stud walls. Testing has proven that compressing thicker ASB products into 64mm metal stud walls does not affect the fixing or finish of the plasterboard linings.

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 Representative.

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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