



## AAB Acoustic Blanket

GreenStuf® AAB ACOUSTIC BLANKET is a range of 100% polyester acoustic insulation products designed for reducing and controlling reverberated noise in building interiors. AAB is ideally suited for use as an absorber behind acoustic panels and ceiling systems.

GreenStuf® AAB is available in a range of densities and performance options. AAB is supplied as lofted white or black insulation panels /sheets measuring 2400mm x 1200mm.



### Applications

GreenStuf® AAB has been engineered to maximize sound absorption for the control of reverberated noise in building interiors. AAB is ideal for managing noise in theatres, studios, auditoriums, halls, offices, retail and indoor swimming pool complexes. AAB can also be used in marine applications, as acoustic baffles, acoustic infill for silencers and louvres, and insulation for Original Equipment Manufacturers (OEM).

### Technical

**NZBC Compliance:** GreenStuf® insulation when installed in accordance with the manufacturers 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 may contribute to meeting H1 Energy Efficiency, and G6 Acoustic Design requirements.

**Durability:** GreenStuf® has a 50 Year Durability Warranty.

**Product Format:** AAB is available as standard 2400mm x 1200mm sheets, in black and white. Custom sizes, grey colour blends and self-adhesive backed options are available with minimum order quantities on request.

**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.

PRODUCT	EX-STOCK SUPPLY	NOMINAL THICKNESS (mm)	NRC	Est. R-VALUE (m <sup>2</sup> /kw)	PACK SIZE	m <sup>2</sup> /PACK
AAB 14-25		25mm	0.50	R0.48	1200mm x 2.4m x 10 Sheets	28.8m <sup>2</sup>
AAB 25-25		25mm	0.55	R0.61	1200mm x 2.4m x 10 Sheets	28.8m <sup>2</sup>
AAB 35-25	✓	25mm	0.70	R0.68	1200mm x 2.4m x 10 Sheets	28.8m <sup>2</sup>
AAB 48-25		25mm	0.75	R0.73	1200mm x 2.4m x 10 Sheets	28.8m <sup>2</sup>
AAB 14-50		50mm	0.75	R0.95	1200mm x 2.4m x 5 Sheets	14.4m <sup>2</sup>
AAB 35-50	✓	50mm	0.90	R1.36	1200mm x 2.4m x 5 Sheets	14.4m <sup>2</sup>
AAB 48-50		50mm	0.90	R1.47	1200mm x 2.4m x 5 Sheets	14.4m <sup>2</sup>
AAB 20-75		75mm	0.85	R1.68	1200mm x 2.4m x 4 Sheets	11.5m <sup>2</sup>
AAB 35-75		75mm	1.05	R2.03	1200mm x 2.4m x 4 Sheets	11.5m <sup>2</sup>
AAB 48-75		75mm	1.05	R2.20	1200mm x 2.4m x 3 Sheets	8.6m <sup>2</sup>
AAB 20-100	✓	100mm	0.95	R2.24	1200mm x 2.4m x 3 Sheets	8.6m <sup>2</sup>
AAB 40-100		100mm	1.05	R2.64	1200mm x 2.4m x 2 Sheets	5.7m <sup>2</sup>
AAB 48-100		100mm	1.10	R2.81	1200mm x 2.4m x 2 Sheets	5.7m <sup>2</sup>

**Installation:** GreenStuf® AAB should ideally be installed with the textured/patterned surface exposed to the sound source. AAB can be fixed to wall and ceiling substrates using a contact type adhesive (ADOS F2) and/or mechanical fixings such as insulation anchors. Additional information and advice is available from your Autex Representative or by visiting our website: [www.autex.co.nz](http://www.autex.co.nz)

**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

Tested 20 Aug 2012, BRANZ (FI 4973)

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) 2

APL Report 98106

IEC 60695-11-5 (Downlight Fire Test Standard)

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

**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)).

The performance and design of AAB 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. Accept NO substitutions.

**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.

**Acoustic and Thermal Performance:** All AAB acoustic and thermal performance testing has been carried out in a laboratory environment. On-site results could vary depending on the system design, product handling and quality of the installation. For service and advice, please contact your Autex Representative or Autex Customer Services on 0800 428 839.

PRODUCT	DENSITY (kg/m <sup>3</sup> )	NOMINAL THICKNESS (mm)	WEIGHT (gsm)	SOUND ABSORPTION — FREQUENCY (Hz)						
				125	250	500	1000	2000	4000	NRC
AAB 14-25	14	25mm	350	0.13	0.29	0.48	0.62	0.69	0.65	<b>0.50</b>
AAB 25-25	25	25mm	625	0.15	0.30	0.50	0.65	0.75	0.75	<b>0.55</b>
AAB 35-25	35	25mm	875	0.10	0.38	0.64	0.83	0.88	0.84	<b>0.70</b>
AAB 48-25	48	25mm	1200	0.15	0.42	0.73	0.92	0.96	0.90	<b>0.75</b>
AAB 14-50	14	50mm	700	0.29	0.54	0.78	0.82	0.80	0.76	<b>0.75</b>
AAB 35-50	35	50mm	1750	0.29	0.68	1.01	1.01	0.97	0.95	<b>0.90</b>
AAB 48-50	48	50mm	2400	0.30	0.55	0.90	0.95	0.95	0.95	<b>0.90</b>
AAB 20-75	20	75mm	1500	0.35	0.60	0.85	0.95	0.90	0.95	<b>0.85</b>
AAB 35-75	35	75mm	2625	0.38	0.95	1.16	1.07	0.98	0.96	<b>1.05</b>
AAB 48-75	48	75mm	3600	0.40	0.80	1.15	1.10	1.05	1.05	<b>1.05</b>
AAB 20-100	20	100mm	2000	0.50	0.85	1.00	0.95	0.95	1.00	<b>0.95</b>
AAB 40-100	40	100mm	4000	0.45	1.05	1.15	1.05	1.05	1.05	<b>1.05</b>
AAB 48-100	48	100mm	4800	0.88	1.14	1.10	1.03	1.03	0.98	<b>1.10</b>

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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ISO 9001 AND ISO 14001 CERTIFIED