

GreenStuf® AAB Acoustic Blanket

Greenstuf® AAB Acoustic Blanket is a thermally bonded 100% polyester blanket having excellent acoustic transmission control and noise absorption properties. Typical uses include infill insulation for stud walls and inter floor construction. Building uses include intertenancy fit outs, noise critical partitions in commercial office, educational buildings and hospitals. AAB is available in a range of densities and thicknesses to suit the specific application.

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

Applications: GreenStuf® AAB has been engineered to maximize sound absorption for the control of reverberated noise in building interiors and to increase the transmission loss of partition walls and inter-floor constructions. AAB is ideal for managing noise in apartments, 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).

BCA Compliance: GreenStuf® 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).

Durability: GreenStuf® has a 50 Year Durability Warranty.

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

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.

The product 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.

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 (pH7 is neutral).



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

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

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

Fire ratings:

AS ISO 9705:2003

Australian Group Number: Group 1

SMOGR_{RC}: less than 100m²/s²

Test Number: FAR4045

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.

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.

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 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.

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 1800 678 160.

Installation: Autex recommends that all thermal and acoustic insulation be installed in accordance with the manufacturer's instructions and AS3999:1992 Thermal Insulation of Dwellings - Bulk insulation, Installation requirements.

When installed as infill insulation AAB should be installed with no gaps. Where required, drops should be mechanically fixed at the top to secure in place until the plasterboard linings are installed. Lower density options can be torn by hand across the width of the rolls for length. If the insulation needs to be cut we suggest using sharp scissors or a wavy edge type Swibo knife. AAB can be used in both metal and timber framed partitions.

When used as an absorber 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 compatible contact type adhesive and/or mechanical fixings such as insulation anchors and insulation fastening systems.

When installed behind perforated or slotted panels ensure the insulation lays flat and all perforations or open area is covered. Wiring, luminaires and appliances should not be covered. Instruction from the luminair and appliance supplier should obtain to assess the required space between insulation and

the device in all cases. Maximum safe weight loadings of the subtrought that the insulation will be fixed to or laid over should be verified prior to installation to ensure the Insulation will not over load or void any applicable warranties. Greenstuf® Acoustic Ceiling Overlay (ACO) can be considered if this is an issue.

Additional information and advice is available from your Autex Representative or by visiting our website: www.autex.com.au.

Environmental: All Polyester insulation products as manufactured by Autex Pty Ltd and marketed under the name GreenStuf® and is produced using 100% Polyester fibre without the need for any binders or adhesives. Our products are manufactured with up to 85% recycled fibre. These products do not contain nor produce any ozone depleting substances or gases. Our products are rated as low VOC and no ODS are present in the final product or produced in the direct manufacture of the product. Refer to the Greenstuf® MSDS for further information.

Autex Polyester Insulation Products are manufactured under ISO 9001 quality and ISO 14001 environmental managed systems that include zero waste policies as well as extended producer responsibility policies. All of our products are fully recyclable and have low embodied energy.

PRODUCT	DENSITY (kg/m³)	NOMINAL THICKNESS (mm)	WEIGHT (gsm)	SOUND ABSORPTION — FREQUENCY (Hz)							R-VALUE	
				125	250	500	1000	2000	4000	NRC		
AAB 10-100	10	100mm	1000	0.40	0.70	0.80	0.80	0.80	0.80	0.80	0.80	1.60
AAB 20-25	20	25mm	500	0.11	0.25	0.57	0.71	0.78	0.74	0.74	0.60	0.56
AAB 20-50	20	50mm	1000	0.29	0.61	0.87	0.91	0.91	0.89	0.89	0.80*	1.12
AAB 20-75	20	75mm	1500	0.35	0.60	0.85	0.95	0.90	0.95	0.95	0.85	1.68
AAB 20-100	20	100mm	2000	0.50	0.85	1.00	0.95	0.95	1.00	1.00	0.95	2.24
AAB 25-25	25	25mm	625	0.15	0.30	0.50	0.65	0.75	0.75	0.75	0.55	0.61
AAB 25-50	25	50mm	1250	0.25	0.50	0.70	0.80	0.80	0.80	0.80	0.70	1.22
AAB 25-75	25	75mm	1875	0.40	0.65	0.90	1.00	0.95	1.00	1.00	0.90	1.83
AAB 25-100	25	100mm	2500	0.49	0.84	1.00	0.94	0.94	1.01	1.01	0.95*	2.44
AAB 32-25	32	25mm	800	0.15	0.25	0.50	0.65	0.80	0.80	0.80	0.55	0.66
AAB 32-50	32	50mm	1600	0.30	0.50	0.80	0.95	0.90	0.90	0.90	0.80	1.32
AAB 32-75	32	75mm	2400	0.20	0.55	0.90	1.00	1.00	1.00	1.00	0.90	1.98
AAB 32-100	32	100mm	3200	0.50	1.00	1.10	1.05	1.05	1.05	1.05	1.05	2.64
AAB 35-25	35	25mm	875	0.10	0.38	0.64	0.83	0.88	0.84	0.84	0.70	0.68
AAB 35-50	35	50mm	1750	0.29	0.68	1.01	1.01	0.97	0.95	0.95	0.90	1.36
AAB 40-25	40	25mm	1000	0.10	0.20	0.45	0.65	0.80	0.80	0.80	0.55	0.70
AAB 40-50	40	50mm	2000	0.30	0.55	0.90	0.95	0.95	0.95	0.95	0.85	1.41
AAB 40-75	40	75mm	3000	0.25	0.60	0.95	1.05	1.05	1.00	1.00	0.95	2.11
AAB 40-100	40	100mm	4000	0.45	1.05	1.15	1.05	1.05	1.05	1.05	1.05	2.81
AAB 48-25	48	25mm	1200	0.15	0.42	0.73	0.92	0.96	0.90	0.90	0.75	0.73
AAB 48-50	48	50mm	2400	0.30	0.55	0.90	0.95	0.95	0.95	0.95	0.90	1.47
AAB 48-75	48	75mm	3600	0.40	0.80	1.15	1.10	1.05	1.05	1.05	1.05	2.20
AAB 48-100	48	100mm	4800	0.88	1.14	1.10	1.03	1.03	0.98	0.98	1.10	2.94

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