



## Autex Absorption Blanket - AAB

**Autex Absorption Blanket (AAB) is a thermally bonded 100% polyester blanket having excellent acoustic transmission control properties, available in a range of densities and thicknesses, designed for use where sound absorption / reverberation control is required.**

### Applications

AAB is used where sound control is required, Ceiling Overlays, Plants rooms, Baffles. AAB is typically installed partially or fully exposed to ensure product performance.

(Please refer to the Autex Acoustic Design Guide for specific performance characteristics).

### Environmental

All Polyester insulation Products as manufactured by Autex Pty Ltd and marketed under the names; GreenStuf, QuietStuf, are 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 VOCs are used during the manufacturing process.

Autex Polyester Insulation Products are manufactured under ISO 9001 quality and ISO14001 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.

Autex Polyester insulation products have been awarded Good Environmental Choice Australia status and have been fully verified by Ecospecifier. They provide maximum credit for GreenStar rated projects.

### Product Format

AAB can be supplied in a range of formats dependant on thickness and density. Lower density products are typically supplied in roll format whilst medium and high density products are typically supplied in sheets 2.4 x 1.2m. Minimum Order quantities apply.

AAB is typically supplied white, Grey / Black variants are available upon request.

AAB is typically supplied unfaced, a full range of facings including foils, scrims etc are also available.

#### Handling:

There are no known hazards with the use or handling of Autex polyester insulation materials. QuietStuf<sup>®</sup> is non-toxic, non-irritant and non-allergenic. No precautions or personal protective equipment is required for handling or installation.

- Non Irritant
- Non Allergenic

#### Composition:

Organic, long chain synthetic polymer. Composed of Carbon-Hydrogen Oxygen.

#### Max Service Temp:

160°C - Melting Point 250 ° C

#### Corrosiveness:

When tested in accordance with NZS4222, QuietStuf<sup>®</sup> insulation is classified as non-corrosive. The pH of QuietStuf<sup>®</sup> is 7.8 (a pH of 7 is neutral).

#### Moisture:

QuietStuf<sup>®</sup> insulation is not affected by moisture. Exposure to an atmosphere of 50°C at 90% relative humidity for four days, shows moisture absorption by weight of less than 0.03%. Should the product become wet, full thermal and acoustic performance is restored on drying out.

#### Vermin:

QuietStuf<sup>®</sup> is naturally resistant to insect and vermin attack and does not contain chemical deterrents.

#### MSDS:

Material Safety Data Sheets (MSDS) are available on request.

### Code Compliance

QuietStuf<sup>®</sup> products fully comply with the requirements of the Building Code of Australia where applicable.

#### Early Fire Hazard Test Results

QuietStuf<sup>®</sup> is a self extinguishing product and conforms to all requirements of the Building Code of Australia as tested to AS1530 Part 3, typical results as follows:

Ignitability Index (0-20)	0	Heat Evolved Index (0-10)	0
Spread of Flame Index (0-10)	0	Smoke Developed Index (0-10)	3

Tested 15 April 1998, APL Report 98055



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## QuietStuf® AAB

### General Information

**General:**

QuietStuf® AAB is manufactured in Australia by Autex Pty Ltd an ISO9001 quality and ISO14001 environmental certified company. 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.

QuietStuf® is a registered trademark of Autex Industries Ltd.

**Durability:**

QuietStuf® insulation will not sag or lose its loft or bulk over time. This design characteristic ensures full performance is maintained (50+ years durability). Autex provides a 50 year durability warranty against product failure in normal use situations.

**MSDS:**

Material Safety Data Sheets (MSDS) are available on request.

### Product Performance Summary:

Product	Sound Absorption Coefficients Freq Hz						NRC	Est R value
	125	250	500	1000	2000	4000		
AAB10-100	0.40	0.70	0.80	0.80	0.80	0.80	<b>0.80</b>	1.60
AAB14 -50	0.29	0.54	0.78	0.82	0.80	0.78	<b>0.75</b>	0.95
AAB20-25	0.11	0.25	0.57	0.71	0.78	0.74	<b>0.60</b>	0.56
AAB20-50	0.29	0.61	0.87	0.91	0.91	0.89	<b>0.80</b>	1.12
AAB20-75	0.35	0.60	0.85	0.95	0.90	0.95	<b>0.85</b>	1.68
AAB20-100*	0.50	0.85	1.00	0.95	0.95	1.00	<b>0.95</b>	2.24
AAB25-25	0.15	0.30	0.50	0.65	0.75	0.75	<b>0.55</b>	0.61
AAB25-50	0.25	0.50	0.70	0.80	0.80	0.80	<b>0.70</b>	1.22
AAB25-75*	0.40	0.65	0.90	1.00	0.95	1.00	<b>0.90</b>	1.83
AAB25-100	0.49	0.84	1.00	0.94	0.94	1.01	<b>0.95</b>	2.44
AAB32-25	0.15	0.25	0.50	0.65	0.80	0.80	<b>0.55</b>	0.66
AAB32-50*	0.30	0.50	0.80	0.95	0.90	0.90	<b>0.80</b>	1.32
AAB32-75	0.20	0.55	0.90	1.00	1.00	1.00	<b>0.90</b>	1.98
AAB32-100	0.50	1.00	1.10	1.05	1.05	1.05	<b>1.05</b>	2.64
AAB35-25*	0.10	0.38	0.64	0.83	0.88	0.84	<b>0.70</b>	0.68
AAB35-50*	0.29	0.68	1.01	1.01	0.97	0.95	<b>0.90</b>	1.36
AAB40-25	0.10	0.20	0.45	0.65	0.80	0.80	<b>0.55</b>	0.70
AAB40-50	0.30	0.55	0.90	0.95	0.95	0.95	<b>0.85</b>	1.41
AAB40-75	0.25	0.60	0.95	1.05	1.05	1.00	<b>0.95</b>	2.11
AAB40-100	0.45	1.05	1.15	1.05	1.05	1.05	<b>1.05</b>	2.81
AAB48-25	0.15	0.42	0.73	0.92	0.96	0.90	<b>0.75</b>	0.73
AAB48-50	0.30	0.55	0.90	0.95	0.95	0.95	<b>0.90</b>	1.47
AAB48-75	0.40	0.80	1.15	1.10	1.05	1.05	<b>1.05</b>	2.20
AAB48-100	0.88	1.14	1.10	1.03	1.03	0.98	<b>1.10</b>	2.94

\* Actual Test Results

Product Name indicates Density / Thickness. Other densities and thicknesses available upon request. Higher Performance at given thicknesses is also available upon request and from the QuietSpace range.

