

# Autex Sound Blanket Data Sheet



## Autex Sound Blanket (ASB)

ASB is a soft thermally bonded polyester blanket having excellent acoustic transmission control properties, available in a range of densities and thicknesses, designed for use in STC rated applications.

By using ASB in dry wall and partitions, cavity resonances are eliminated and the transmission loss is significantly increased at all frequencies.

ASB is supplied in roll form to suit standard stud spacings, ideally suited for use with steel studs. Non-standard widths are available upon request.



### Applications

ASB has been designed to suit a wide range of commercial building applications, such as walls, partitions and for use as a ceiling overlay. ASB provides excellent acoustic performance particularly in areas such as:

- Offices
- Education
- Healthcare
- Hospitality

### Features & Benefits

- User friendly - no protective clothing is required
- Environmentally friendly
- Non toxic
- Odourless
- Non irritant and non allergenic
- Available in a range of densities and thicknesses
- Fully complies with New Zealand and Australian Building Codes
- Easy to install
- Excellent acoustic absorption characteristics
- Long term stability and performance

### Product Range

Product	Product Size*	Rolls per Pack	Area per Bale (m <sup>2</sup> )
ASB 2	19.0Lm x 600mm x 30mm	2	22.8
ASB 3	16.5Lm x 600mm x 50mm	2	19.8
ASB 4	11.1Lm x 600mm x 60mm	2	13.3
ASB 5	11.1Lm x 600mm x 70mm	2	13.3

\* Other widths are available upon request, subject to minimum order quantities and longer lead times.

# ASB 2, 3, 4, 5



# Autex Sound Blanket Data Sheet

## Properties

### Sound Transmission Class (STC) Ratings

Product	Thickness	STC*	Weight (gsm)
ASB 2	30mm	39	350
ASB 3	50mm	42	580
ASB 4	60mm	43	750
ASB 5	70mm	44	900

\*STC = Sound Transmission Class.

STC results are determined using 13mm plasterboard either side of 64mm steel stud frame with 600mm centres.

Note 1: The STC value above is comprised of the total wall system. The STC value will change with a change in the wall configuration. The stated STC values above will increase by changing components in the walls such as using 90mm stud, disconnecting the plasterboard, or varying the type/layers of plasterboard.

Note 2: Please understand an NRC rating is only applicable if the product is designed to be fully exposed to the sound source, for sound absorption. The ASB products are used in construction cavities therefore the STC value is applicable. For further design assistance please contact Autex Insulation.

All testing of ASB was carried out in a laboratory environment. On site results may vary due to site conditions, handling of product and quality of installation. Given these conditions, it may be prudent to use the next highest ASB product.

### Early Fire Hazard Test Results

ASB is a self extinguishing product and conforms to all Building Code requirements (NZ and AUST) as tested by AS1530 Part 3, results as follows:

Ignitability Index (0-20)	0	Heat Evolved Index (0-10)	0
Spread of Flame (0-10)	0	Smoke Developed Index (0-10)	2

### On-site Information

ASB product is vacuum packed to ensure ease of transportation and on site storage / handling. Prior to use, the pack should be opened to allow recovery of the loft. Product recovery to the nominal thickness may be slowed on site by low temperature and/or long periods of storage. Acoustic performance is not hindered by product at less than the nominal thickness, recovery of thickness will be achieved insitu.

### Miscellaneous Properties

<b>Rec. Max. Service Temp.:</b>	160°C
<b>Ingredients:</b>	Organic, long chain synthetic polymer
<b>Chemical Entity:</b>	Composed of carbon-hydrogen oxygen
<b>Alkalinity:</b>	pH 7.8 (pH 7 is neutral)
<b>Moisture Absorption:</b>	Exposed to an atmosphere of 50°C, 90% RH for four days gives a moisture absorption of less than 0.03% by weight
<b>Corrosiveness:</b>	The product is not corrosive (tested in accordance with NZS4222)

### General Information

In addition to ASB 2, 3, 4, 5, Autex Insulation manufacture a wide range of acoustic products and thermal insulation products.

Autex Insulation is a division of Autex Industries Ltd and retains the right to change products and specifications without prior notification. If a specification is critical to the end user, please contact Autex Insulation.

Autex Industries Ltd is an ISO 9001 certified company.

QuietStuf® is a registered trademark of Autex Industries Ltd.  
Health Wise™ and Proudly made in New Zealand™ logos are trademarks of Autex Industries Ltd.

[www.quietstuf.co.nz](http://www.quietstuf.co.nz)



ASB 2, 3, 4, 5