



QuietStuf® Acoustic Insulation

QuietStuf® Batts are a thermally bonded 100% Polyester Insulation designed to provide acoustic and thermal insulation to residential and commercial buildings.

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 assessed by Ecospecifier.

Application

QuietStuf® batts should be used in any construction cavity where noise reduction is desired from one side to the other of the cavity.

Where to use:

Internal Walls	Between adjoining bedrooms
External Walls	Laundry
Ceilings	Ceilings - Aircraft Noise
Between Floors	External walls to reduce; road noise, mower noise etc.
Home Theatres	

Depending on the wall or construction system QuietStuf® batts can decrease noise transfer by up to 8 decibels. In most cases this will prevent normal television, bathroom or domestic sounds being transmitted through walls.

Product Information

PRODUCT	PRODUCT (R Value)	NOMINAL THICKNESS (mm)	BATT WIDTH (mm)	BATTS (per pack)	(m ²) (per pack)
QS 75	R1.5	75	430	8	4.0
	R1.5	75	580	8	5.4
QS 90	R2.0	90	430	8	4.0
	R2.0	90	580	8	5.4
QS 100	R2.5	100	430	8	4.0
	R2.5	100	580	8	5.4
QS 200	R4.5	200	430	4	2.2
	R4.5	200	580	4	2.7

NB: Batt length = 1160mm.

Code Compliant

QuietStuf® products fully comply with the requirements of AS/NZS 4859.1 standard for insulation and the requirements for insulation as per the Building Code of Australia.

Early Fire Hazard Test Results

QuietStuf® 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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Handling

There are no known hazards with the use or handling of Autex Polyester insulation materials. QuietStuf® Batts are non-toxic, odorless, no irritant and non-allergenic.

No Precautions or personal protective equipment is required for handling or installation.

On Site Information

QuietStuf® Batts are supplied compression packed for ease of transportation. Product recovery to the nominal stated thickness may be slowed on site dependant on the ambient conditions. Product will regain nominal thickness in situ over four weeks. Product thickness recovery may be compromised if the product is stored for more than six months or is further compressed.

Installation

QuietStuf® Batts should be installed in accordance with the requirements of the Building Code of Australia and AS/NZS3999.

QuietStuf® Batts should be installed as a snug fit between framing members with no gaps at any join or perimeter. GreenStuf® can be easily torn across its width for smaller pieces. Full Installation instructions are with every pack

Durability

QuietStuf® insulation will not sag or lose 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.

Corrosiveness

When tested in accordance with NZS4222, QuietStuf® Batts are classified as non-corrosive. The pH of GreenStuf® is 7.8 (a pH of 7 is neutral).

Moisture

QuietStuf® Batts are not affected by moisture. Exposure to an atmosphere of 50°C at 90% relative humidity for four days shows moisture absorption of less than 0.03%. Should the product become wet, full thermal and acoustic performance will be restored on drying out.

Composition

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

Vermin

QuietStuf® Batts are naturally resistant to insect and vermin attack and does not contain chemical deterrents.

MSDS

Material Safety Data Sheets (MSDS) are available on request or from the Autex website.

Max Service Temp

160°C – Melting Point 250°C

General

QuietStuf® Batts are 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 Limited.

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