



# Sound Batts

High Performance Acoustic Insulation



## Product Description

Tontine Sound Batts (TSB) are lightweight products manufactured from thermally bonded polyester fibre, with a high percentage of recycled fibres. TSB is a non-toxic and user friendly insulation, requiring no specific protective clothing. TSB will not corrode or crumble over time. The products are white in colour. Physical properties and material safety data can be found on the Tontine Bonded Polyester Products MSDS.

## Applications

Tontine Sound Batts (TSB) are ideal for use in walls and partitions, where they provide excellent acoustic performance and reduce the noise transfer between rooms. Refer to the Acoustic Design Guide to determine which TSB product will provide the best result to meet your requirements.

## Standard Sizes and Packaging

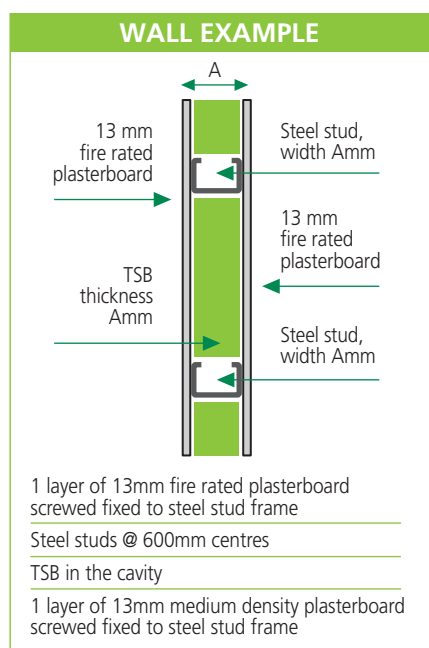
Product	Length ( m )	Width ( mm )	Number Per Pack
TSB3	16.2	450, 610	4, 2
TSB4	16.2	450, 610	4, 2
TSB5	13.5	450, 610	4, 2
TSB6	10.8	450, 610	4, 2

## Acoustic Performance

Rw is the weighted sound reduction index. It is a single number used to rate the effectiveness of a system as a noise insulator. An increase in one Rw unit approximately equals a reduction of one decibel in noise level. Results are based on laboratory tests ( **highlighted in bold** ) and acoustic opinions.

### Rw RESULTS AND DETAILS

Cavity Thickness ( A ) mm	Base Wall	TSB3	TSB4	TSB5	TSB6
64	<b>38</b>	<b>43</b>	44	<b>45</b>	-
92	38	43	44	45	47





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products knowledge solutions  
for more detailed ecological and/or health information on this product refer to [www.ecospecifier.org](http://www.ecospecifier.org)

## Fire Resistance

When tested in accordance with AS1530.3 (1999), "Early Fire Hazard Properties of Materials", exhibits the following characteristics:

Ignitability Index	0
Spread of Flame Index	0
Heat Evolved	0
Smoke Developed Index	0 - 3

## Moisture Resistance

Exposure to an atmosphere of 50°C and 95% relative humidity for 4 days results in less than 0.2% by vol moisture absorption.

## Maximum Service Temperature

The maximum temperature to which Tontine Sound Batts should be exposed in service is 150°C.

## Environmental and Health Benefits

Recycled Fibre Content	80% minimum
Volatile Organic Compounds ( VOC's )	No harmful VOC's
Formaldehyde Content	Nil
Phenol Content	Nil
Ammonia Content	Nil
Ozone Depleting Potential ( ODP )	Nil
Chloride Content	Nil
Total Recyclable Content	100%

## How to Specify

The insulation material shall be polyester TSB ( 3, 4, 5 or 6 ) as manufactured by Tontine Insulation. The product shall be fitted in one piece per stud opening to fill the entire area.

## General Installation Advice

TSB is safe and easy to install in walls or ceilings. TSB products are easily torn or cut with a pair of industrial scissors or shears. Off cuts can be used to fill corners, crevices and gaps, eliminating any waste. For walls, the insulation is placed between the wall studs or furring channels before the plasterboard is put in place. If required, lightly staple or tape insulation into position. No special clothing, gloves or masks required for installation. Allow up to one month for products subjected to compression packing to recover to nominal thickness.

## Testing

All testing was conducted in a laboratory situation. On site results may vary due to site conditions and quality of installation. Thermal testing is done in accordance with AS/NZS 4859.1 and acoustic testing in accordance with AS 1191. As these products are constantly being researched and developed, we reserve the right to update these specifications without notice.

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SOLVING YOUR NOISE PROBLEMS

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In most cases product testing has been conducted in laboratory situation under controlled conditions. Site-measured performance may vary due to installation quality and site conditions. Thermal testing has been carried out in accordance with AS/NZS 4859.1, and acoustic testing in accordance with AS1045 or AS1191 in certified reverberation rooms. As these products are subject to constant research and development, we reserve the right to update the contents without notice. Recommendations regarding the use of products are to be taken as a guide only, and the purchaser should independently determine the suitability of a product for the intended application.

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