



ACOUSTI-PANEL™ - HP

High Performance Sound Absorption
for Commercial Interiors

Product Description

Tontine Acousti-Panel is a semi-rigid sound insulation panel manufactured using thermally bonded polyester fibre, with a high percentage of recycled fibre. Tontine Acousti-Panel provides both acoustic and thermal insulation. The acoustic performance of Tontine Acousti-Panel has been tested by an Australian NATA approved acoustic laboratory. The product is off-white in colour and can be faced with fabric. For more information on physical properties and material safety data please refer to the Tontine Bonded Polyester Products Material Safety Data Sheet.

Applications

Tontine Acousti-Panel is ideal for controlling sound and creating an inviting and appealing visual interior in commercial and public buildings such as auditoriums, conference rooms, hotel and office lobbies, lecture theatres and large meeting rooms. Tontine Acousti-Panel can be faced with fabric to compliment the decor of any environment and can be used as a functional decorative feature wall.

Standard Sizes

Nominal Thickness (mm)	Length (mm)	Width (mm)	Number Per Pack
25	2400	1200	4
50	2400	1200	2

Tontine Acousti-Panel is manufactured in a standard sheet size of 1200mm x 2400mm and in either a 25mm or 50mm thick sheet. It is also available in a range of custom sizes and specifications from 6mm - 18mm.

Acoustic Performance

Acoustic results are based on tests in accordance with ISO 354-2006.

PRODUCT	SOUND ABSORPTION COEFFICIENTS @ FREQUENCIES					NRC
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	
Faced 25mm	.15	.40	.80	1.00	1.00	.80
Faced 50mm	.30	.75	1.00	1.00	1.00	1.00

Thermal Performance

Thermal ratings are based on testing in accordance with AS/NZS 4859.1 at 23°C mean temperature.

PRODUCT	R-Value
Faced 25mm	R .7
Faced 50mm	R1.5

Environmental and Health Benefits

- High Recycled Fibre Content
- No Harmful Volatile Organic Compounds (VOCs)
- No Formaldehyde Content
- No Phenol Content
- No Ammonia Content
- No Ozone Depleting Potential (ODP)
- No Chloride Content
- 100% Total Recyclable Content



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Fire Resistance

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

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

Group Classification

Group classification is tested in accordance with AS 3837.

PRODUCT	RATING
25mm	3
50mm	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 service temperature for Acousti-Panel is 150°C.

How to Specify

The insulation material shall be Tontine Acousti-Panel 25mm or 50mm, plain or fabric faced, as manufactured by Tontine Insulation.

General Installation Guide

Tontine Acousti-Panel is safe and easy to install as part of an interior wall system. Tontine Acousti-Panel is a semi-rigid board and care should be taken when handling the panel in order to minimise any bending that may lead to a crease in the product. Prior to installation, the work area should be cleared of any debris or dust. Tontine Acousti-Panel can be easily cut on site with a serated knife (we recommend the Swebo Knife) or a mechanical fabric saw such as is supplied by Elizabeth Lightning Machines. Panels can be installed using an appropriate channel system or with adhesive. Ensure all substrates are adequately sealed prior to installation. No special clothing, gloves or masks are required to handle Tontine Acousti-Panel.

FOR FURTHER INFORMATION CALL 1300 467 852 OR EMAIL customer care@tontineinsulation.com.au

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 ISO-354-2006 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 applications.
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