



ACOUSTI-PANEL™ - MP

Multi-Purpose Sound Absorption Panels



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, public and residential buildings. Tontine ACOUSTI-PANEL™ is can be used in home theatres, auditoriums, classrooms, recording studios, cinemas, conference rooms, hotel and office lobbies, lecture theatres and large meeting rooms, as office partitions and as decorative pinboards. Tontine ACOUSTI-PANEL™ can be faced with fabric to compliment the decor of any environment and doubly serves as a functional decorative feature wall.

Standard Sizes

Nominal Thickness (mm) + Weight (gsm)	Length (mm)	Width (mm)	Number Per Pack
6.0 x 1500 gsm	2400*	1200	10
8.5 x 1500 gsm	2400*	1200	10
12.0 x 2400 gsm	2400*	1200	10

*Other lengths are available on request.

Acoustic Performance

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

PRODUCT	SOUND ABSORPTION COEFFICIENTS @ FREQUENCIES				
	250 Hz	500 Hz	1000 Hz	2000 Hz	NRC
6mm (no air gap)	.02	.10	.30	.55	.25
6mm (6mm air gap)	.05	.15	.40	.75	.35
6mm (25mm air gap)	.10	.35	.75	.95	.55
12mm (no air gap)	.05	.20	.50	.75	.40
12mm (6mm air gap)	.05	.30	.65	.90	.50
12mm (25mm air gap)	.15	.50	.90	1.00	.65

Fire Resistance

When tested in accordance with AS1530.3, exhibits the following characteristics:

PRODUCT	Spread of Flame	Smoke Developed
6.0 mm Plain Face	0	5
8.5 mm Plain Face	0	5
12.0 mm Plain Face	0	5



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Group Classification

Group classification is tested in accordance with AS 3837.

PRODUCT	RATING
6.0 mm	3
8.5 mm	3
12.0 mm	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.

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

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 serrated 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 customercare@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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