SERENITY

LOOKS GOOD, SOUNDS GREAT

Serenity Fabric Decorative Panels

Serenity Fabric Decorative Panels are designed to absorb reflected sound (reverberation) that could otherwise cause sound problems in interior spaces. The fabric covered wall and ceiling panels provide excellent sound absorption while enhancing the décor of any room. Designers have the freedom to choose any stylish screen fabric wrapping from a huge variety available on the market.

Serenity Fabric Decorative Panels have been designed and tested in certified acoustic laboratories to ensure the sound absorption profiles for each panel thickness are quite predictable. Our a range of products will reduce reverberation, reflected sound and unwanted noise across all hearing frequencies of any public space including gymnasiums, call centres, restaurants, auditoriums and many more applications.

Features & Benefits

- These premium panels are fitted with L32 impact resistant membrane and MDF backing making them highly durable and suitable for high traffic areas.
- Simple installation to any internal wall or ceiling surface.
- Highly durable and robust panels making them ideal for high traffic thoroughfares.
- Manufactured in a range of sizes thicknesses to suit all interior applications or can be custom-made to size.
- Serenity Panels have been developed and fully tested in registered Acoustic Laboratories.
- Designers have the flexibility to remove panels as they don't have to be permanently fixed to the application.
- Available in a wide range of fashionable screen fabrics that enhance any interior décor.
- Fabric wraps around all edges and can be digitally printed if required.
- All Serenity components have low VOC content. Most have a substantial recycled raw material content.
- Serenity Panels are Ecospecifier listed.
- Fire Hazard Properties: Complies as a Group 2 Material. Ref: Specification C1.10a of the Building Code of Australia (BCA).
- Suitable for "Greenstar" and LEED" and similar environmental rating programs for commercial interiors.

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Serenity Fabric Decorative wall and Ceiling Panels

Serenity Fabric Wall and Ceiling Panels are engineered and designed to reduce reverberation and create quieter & comfortable interior spaces. With a large assortment of sizes and finishes to choose from Serenity fabric wall and ceiling panels are the perfect noise reduction solution.

Acoustic Performance

Sound Absorption Coefficients Reverberation room method (Hz)							
Thickness	**125**	**250**	**500**	**1000**	**2000**	**4000**	**NRC**
25mm	0.15	0.55	1.00	0.95	0.95	0.95	0.85
50mm*	0.26	0.71	1.03	1.11	1.09	1.03	1.00
75mm	0.50	1.05	1.05	1.00	1.05	1.00	1.05
100mm*	0.59	1.20	1.28	1.11	1.08	1.09	1.16

Serenity Acoustic Ceiling Panels have been tested in N.A.T.A. registered laboratories at RMIT University using a full reverberation chamber test and have achieved Noise Reduction Coefficients (N.R.C.) as shown in the above table. The panels are tested with no air gap between the panel and substrate. A NRC of 0.85 means that up to 85% of the sound that reaches the panel is absorbed. Increases in low frequency absorption can be achieved by adding an air gap behind the panel or by increasing the panel thickness. Panel area and thickness will affect acoustic performance. It is strongly recommended that an Acoustic Engineer is consulted before specifying the requirements for a project.

Wall Panels Installation

Serenity Fabric Wall Panels utilise a metal “split batten” fixing system. One half of the system is applied to the back of the panel. The wall bracket section is supplied with the panels, and can be simply fixed to most wall surfaces with either screws or toggle bolts. Using this method installation time and costs can be reduced by 50% when compared to traditional methods. Alternative fixing methods are possible so you’ll need to consult with your Sontext representative.

Ceiling Panels Installation

Serenity Fabric Ceiling Panels can be easily installed using conventional suspended ceiling systems such as a two way exposed T-grid System. The panels can also be fixed using clips and track in a similar way to plasterboard, or even hung as described below. Serenity Panels can be fixed directly to the ceiling using ‘Rondo’ metal furring channel and Direct Fix Clip #237.

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Serenity Fabric Decorative Wall and Ceiling Panels

By using Serenity Fabric Wall and Ceiling Panels you can create comfortable and modern interior space. Serenity panels have been installed in studios, auditoriums and boardrooms through out the world with strong results in reducing sound reverberation.



PANEL CHARACTERISTICS	
Nominal Thicknesses: 25mm, 50mm, 75mm, 100mm, 125mm (Refers to thickness of the acoustic absorber infill) Thickness selection will depend on the acoustic performance required.	**Standard Sizes:** 1200 x 600mm, 1200 x 1200mm, 2400 x 1200mm. Contact Sontext to discuss other size options. (Tolerance approx +5/-2mm., depending on the fabric chosen). Custom sizes available, made to order
Panel Construction: The panels consist of an acoustic insulation infill, impact resistant acoustic membrane which is contained within an MDF frame. Finish is decorative fabric to face and wrapped around all four edges of the panel	**Nominal Weight (Mass) based on 2400 x 1200mm panel:** 25mm insulation thickness: 7 kg/m2 50mm insulation thickness: 10 kg/m2 75mm insulation thickness: 13 kg/m2 100mm insulation thickness: 18-20kg/m2
Fire Properties: Serenity Acoustic Panels are a composite fabricated from materials supplied by others. Low Volatile Organic Compound (VOC) and low formaldehyde insulation and MDF components are used in all in *Serenity* Panels. Serenity Fabric acoustic panels are constructed from materials that have all been tested to AS5637 ISO9705 Group 1 Fire Rating.	The Acoustic Absorber infill used in Serenity Panels has the following Fire Indices **Australian**: AS5637, ISO9705 Group 1 Fire Rating , **European and American Standards:** ASTM E84 Class A, EN 13501-1:2007 +A1:2009 Class B.

Typical Applications

- Schools, Colleges & universities
- Restaurants & cafes Convention centres
- Broadcast studio
- Places of worship
- Multi-purpose facilities
- Commercial spaces
- Boardrooms and meeting rooms

For more information visit www.sontext.com.au or contact Sontext or an Authorised Distributor

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