



# SERENITY

LOOKS GOOD, SOUNDS GREAT

## Serenity Lite Fabric Decorative Panels



**Serenity Lite Fabric Decorative Wall and Ceiling Panels** are a cost effective, permanent noise control solution. The systems are designed to provide extensive design flexibility while at the same time significantly improving the sound quality of internal spaces by controlling reverberation.

Interior design trends in modern commercial buildings can often include hard surfaces on ceilings and walls. These hard surfaces can cause problems with reflected sound. These interior spaces may be difficult to utilise fully simply because noise levels may be unacceptably high, or reverberation causes audio to be hard to hear clearly. By incorporating Serenity Lite Acoustic Panels as a new feature or by direct fixing them to existing walls the reduction in unwanted noise can be quite significant. At some frequencies, up to 100% of sound can be absorbed by utilising Serenity Lite Acoustic Panels of appropriate thickness and/or by incorporating an air gap into the installation process.

### Features & Benefits

- These lightweight panels are simple to install.
- Designers can choose from a large assortment of suitable commercial screen fabrics.
- Fabric facing is wrapped around all four sides.
- Panels are humidity and moisture resistant.
- Choose from a range of edge profiles.
- Can be easily installed to any existing interior wall lining using "Wallmounts™".
- Fire Resistant: Australian Standard AS3837 : Group 2 (Refer Specification C1.10a of the Building Code of Australia).
- The Acoustic Absorber infill used in Serenity Panels has the following Fire Indices when tested to A.S.1530 PART 3 (Early Fire Hazard Properties):  
    Spread of Flame Index 0  
    Smoke Evolved Index 0-1



**Serenity Lite Fabric Ceiling and Wall Panels** are engineered and designed to reduce reverberation and create quieter & comfortable interior spaces.



## Acoustic Performance

Sound Absorption Coefficients Reverberation room method (Hz)							
Thickness	125	250	500	1000	2000	4000	N.R.C.
25mm	0.15	0.55	1.00	0.95	0.95	0.95	0.85
50mm	0.36	0.81	1.12	1.18	1.11	1.22	1.05

Serenity Acoustic Panels have been tested in N.A.T.A. registered laboratories at RMIT University reverberation chamber, and have achieved Noise Reduction Coefficients (N.R.C.) as shown in the table below.

An NRC of 0.85 means that up to 85% of the sound that hits the panel is absorbed. Increases in low frequency absorption can be achieved by installing the panels with an air gap behind them, or by increasing the thickness of the panels.

## Standard Panel Dimensions

Serenity Lite Acoustic Wall & Ceiling Panels can be manufactured to any size requirement up to 2400 x 1200mm, and covered with good quality screen fabrics from any reputable commercial supplier. We recommend you confirm fabric suitability with Sontext prior to ordering.

Thickness (mm)	25 & 50
Panel sizes (mm)	1200x600, 1200x1200, 1800x600, 2400x600, 2400x1200 (Tolerance approx +5/-2mm., depending on the fabric chosen).
Moisture absorption	< 0.7%
Nominal weight (mass)	4 kg/m <sup>2</sup> (25mm) 7 kg/m <sup>2</sup> (50mm)
Typical applications	Commercial premises, convention centres, halls, sporting venues, cinemas, schools & recording studios.

For more information visit [www.sontext.com.au](http://www.sontext.com.au) or contact Sontext or an Authorised Distributor