



# SERENITY

LOOKS GOOD, SOUNDS GREAT



## Decorative Panels for Interior Sound Control

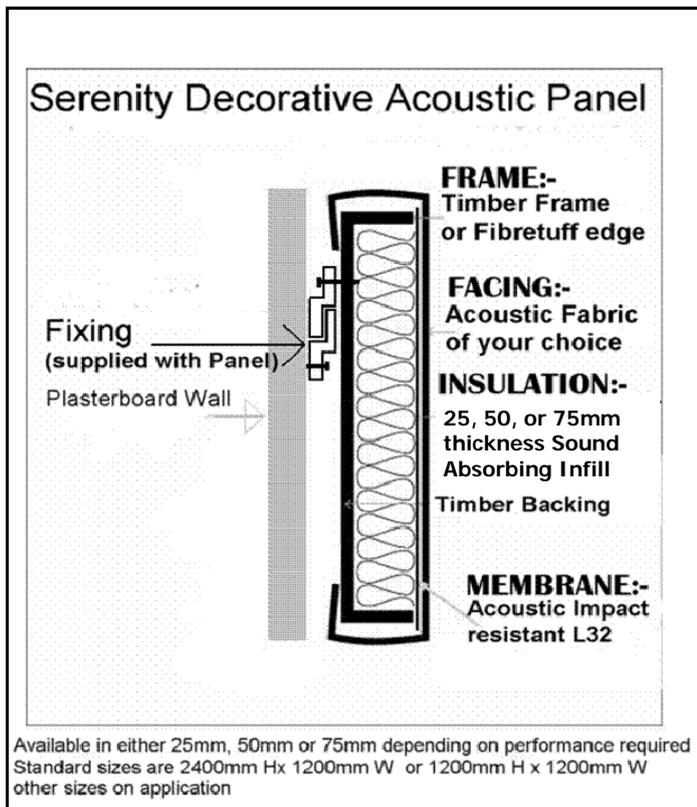


Serenity Panels are designed to absorb reflected sound, or reverberation, that could otherwise cause problems in interior spaces. Serenity Panels are fabric covered, so when installed can enhance the décor of any room or public space. Typical applications where Serenity Panels will help create a pleasant, comfortable environment include noisy restaurants, or sports venues that may simply have too much echo for speech or public address systems to be heard clearly. Serenity Panels have been installed effectively in Gymnasiums, Studios, Schools, Churches, Community Centres, Courts, Auditoriums, Restaurants, Offices and Call Centres.

### Serenity Panel Features:

- Decorative Acoustic Absorber Panels that reduce reverberation, reflected sound and unwanted noise across all hearing frequencies.
- Simple installation to any internal wall or ceiling surface.
- Manufactured in a range of sizes thicknesses to suit all interior applications. Can be custom-made to size. (Panel area and thickness will affect acoustic performance. It is strongly recommended that an Acoustic Engineer should be consulted before specifying the requirements for a project.)
- Serenity Panels have been developed and fully tested in registered Acoustic Laboratories. See Page 2 for NRC's and Sound Absorption Co-efficients at various frequencies.
- Available in a huge range of fashionable screen fabrics to enhance any interior décor.
- Fabric wraps around all edges
- Fabric facing can be digitally printed if required
- Panels are fitted with L32 impact resistant membrane
- All Serenity components have low VOC content. Most have a substantial recycled raw material content.
- Serenity Panels are Ecospecifier listed (see logo and website opposite).
- 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.





## Installation

Serenity Acoustic Panels utilise an metal “split batten” fixing system. One half of the system is factory 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 (please contact Sontext to discuss). Serenity Panels can be installed by a carpenter or handyman, or by Sontext’s own experienced installers if required. In most cases, the client or the interior designer is free to choose the fabric colour or pattern from the huge range of commercially available screen fabrics. Sontext can assist in this process.

## Acoustic Performance

| Thickness | Sound Absorption Coefficients Reverberation room method (Hz) |      |      |      |      |      |        |
|-----------|--|------|------|------|------|------|--------|
|           | 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      | 0.26   | 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   |

Serenity Acoustic Panels have been tested in N.A.T.A. registered laboratories at R.M.I.T. using a full reverberation chamber test and have achieved Noise Reduction Coefficients (N.R.C.) as shown in the above table. (Tested with no air gap between panel and substrate)

Note: An NRC of 0.85 means that up to 85% of the sound that reaching 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.

## Standard Panel Dimensions

| Thickness (mm) | Panel Sizes (mm)   |
|----------------|--|
| 25,50,75,100mm | 1200 H x 600 W, 1200 H X 1200 W , 2400 H X 1200W<br>Other sizes available on a request basis<br>Made to order shapes and sizes available |

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