



# SERENITY

LOOKS GOOD, SOUNDS GREAT

## ACOUSTIC WALL PANELS DATA SHEET

*Serenity Acoustic Wall Panels* are part of the *Sontext* range of internal noise control systems. 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. In many spaces nowadays the trends necessitate the use of hard

clean surfaces as part of the décor. While this creates an appealing aesthetic finish, in many instances the result is unwanted noise or poor sound quality. An efficient method to reduce unwanted noise is to install *Serenity Acoustic Wall Panels*.

### Product Description

*Serenity Acoustic Wall Panels* are modular wall panels available in a range of thicknesses depending on the level of noise control required, or can be custom made to specific requirements. *Serenity Acoustic Wall Panels* can be direct fixed to existing substrates using the unique Sontext

fixing system. (see Installation Guidelines fact sheet) They are constructed of new generation sound absorbing insulation membranes and can be supplied in a wide range of woven fabric finishes.

### Applications

- COMMERCIAL PREMISES  
Lobbies, boardrooms, open plan office areas
- CONVENTION CENTRES/EXHIBITION HALLS
- SPORTING/PUBLIC SPACES  
Gymnasiums, schools, churches, community centres
- MEDICAL/HEALTH CARE  
Hospitals, retirement villages
- HOSPITALITY/TOURISM  
Hotels, Motels, restaurants
- SPECIALIST  
Sound recording studios, radio/television stations

### Fabric Options

*Serenity Acoustic Wall Panels* can be supplied in a wide range of woven or non woven fabric finishes (from leading textile manufacturers and suppliers) available from *Sontext*.

Where alternative fabrics are selected, contact *Sontext* to ascertain suitability for use.

### Panel Size

Thickness: 25mm, 50mm, 75mm, 100mm,  
Thickness selection will depend on the acoustic performance required

Size: 1200 x 600mm, 1200 x 1200mm,  
2400 x 1200mm  
Other sizes are available. Contact Sontext for more information

### Acoustic Performance

*Serenity Acoustic Wall Panels* have been tested in N.A.T.A. approved laboratories at R.M.I.T. using a full reverberation chamber test and have achieved

a Noise Reduction Coefficient (N.R.C.) of 0.85 for 25mm thick. To improve absorption performance a thicker panel may be required.

Thickness	Sound Absorption Coefficients Reverberation room method (Hz)						N.R.C.
	125	250	500	1000	2000	4000	
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

### Specifying *Serenity Panels*

To specify *Serenity Acoustic Wall Panels* include the following in your specification  
- Fabric Faced Acoustic Wall Panels shall be Serenity Acoustic Wall Panels

- ..mm thick x ..mm high x ..mm wide
- Fabric Facing, ..(name), (code), .. (manufacturer)
- Number of Panels required
- Must include L32 impact resistant membrane.

#### For further information, contact *Sontext*:

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