

## WALL PANELS DATA SHEET

### Product Description and Typical Applications

*Serenity™ Acoustic Wall Panels* are part of the *Sontext* range of internal sound control systems. These systems are designed to significantly improve sound quality of internal spaces by controlling reverberation, while allowing interior designers to source the fabric colours and patterns of their choice. In the majority of cases, acoustic panels are fitted to walls, ( however in situations where this is not possible (due to window placement, light fittings or other limiting factors), an efficient method to reduce unwanted noise is to install *Serenity Acoustic Panels* on the ceiling. (See also Serenity Acoustic Wall Panels Data Sheet),

*Serenity Acoustic Wall Panels* can be easily fixed to most wall surfaces using Sontext's Audimount split batten system. (see Installation Guidelines fact sheet). Typical applications for Serenity Acoustic panels include:

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/Radio/television studios

### Fabric Options

*Serenity Acoustic Wall Panels* can be supplied in a wide range of woven or non woven fabric finishes (from most leading textile manufacturers and suppliers). Sontext recommends the use of low VOC fabrics. Please advise Sontext of your fabric choice before ordering to ascertain suitability for use.

### Panel Characteristics

Nominal Thicknesses: 25, 50, 75mm. Refers to the thickness of the acoustic absorber infill. Fabric thicknesses vary widely, and may add up to 5mm to *actual* panel thickness). NOTE: Acoustic performance is affected by panel thickness—see below.

Standard Panel Sizes: 1200 x 600mm, 1200 x 1200mm, 2400 x 1200mm. (Tolerance approx +5/-2mm., depending on the fabric chosen). Other sizes & thicknesses are available to order. Contact Sontext or your Distributor for more information.

Panel Construction: The panels consist of an acoustic insulation infill, impact resistant acoustic membrane, 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/m<sup>2</sup>  
50mm insulation thickness: 10 kg/m<sup>2</sup>  
75mm insulation thickness: 13 kg/m<sup>2</sup>

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.  
Aust. Building Code compliance (Specification 2.4 of BCA).  
Tested to A.S. 3837. Complies as a Group 3 material

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

### Acoustic Performance

*Serenity Acoustic Wall Panels* have been tested in a N.A.T.A. approved reverberation chamber to Australian Standard AS 1045 –1988 "Measurement of Sound Absorption in a Reverberation Chamber" (based on ISO 354)

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

### 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 Ltd or its Distributors:  
Sontext Limited  
71-75 Shelton Street  
Covent Garden, London, England. WC2H 9JQ  
Phone: +44 208 144 5191 email: sales@sontextuk.com  
Website: www.sontextuk.com