



SERENITY Fabric Wrapped Acoustic Panels

LOOKS GOOD, SOUNDS GREAT



CEILING PANELS DATA SHEET

Product Description and Typical Applications

Serenity™ Acoustic Ceiling 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, (see *Serenity Acoustic Wall Panels Data Sheet*), 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.

Serenity Acoustic Ceiling Panels can be direct fixed to ceilings or installed using conventional suspended systems. (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 Ceiling 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: 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. (Tolerance approx +/-2mm., depending on the fabric chosen). Other sizes 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/m²
50mm insulation thickness: 10 kg/m²
75mm insulation thickness: 13 kg/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*.
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 N.A.T.A. approved reverberation chambers to AS 1045 –1988 (based on ISO354) and have achieved a Noise Reduction Coefficient (N.R.C.) of 0.95 for 125mm thick panel as shown below. Acoustic performance

Thickness	Sound Absorption Coefficients (at Frequencies from 100 to 5000 Hz)								N.R.C.
	100	125	250	500	1000	2000	4000	5000	
125mm	1.00	0.79	1.00	0.92	0.93	0.84	0.73	0.66	0.95

Specifying *Serenity Ceiling Panels*

To specify *Serenity Acoustic Ceiling Panels* include the following in your specification:

- Fabric Faced Acoustic Ceiling Panels shall be *Serenity Acoustic Ceiling Panels* - ..mm thick x ..mm high x ..mm wide
- Fabric Facing, ..(name), (code), .. From (Manufacturer)
- Number and Sizes of Panels required
- Must include L32 Impact Resistant Membrane.

For further information, contact *Sontext Ltd* or its Distributors:
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