

Serenity Fabric Decorative Wall Panels 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. Serenity Acoustic Ceiling Panels can be easily direct fixed to most wall surfaces using Sontext's Audimount split batten system.

Fabric options

Serenity Acoustic Wall Panels can be supplied in a wide range of woven or non woven fabric finishes. Sontext sources their fabrics from Australia's leading textile manufacturers and suppliers. We recommend the use of low VOC fabrics.

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. Contact Sontext to discuss other size options. (Tolerance approx +5/-2mm., depending on the fabric chosen).
Panel Construction: The panels consist of an acoustic insulation infill, impact resistant acoustic membrane which is 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 ² 50mm insulation thickness: 10 kg/m ² 75mm insulation thickness: 13 kg/m ²
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 <i>Serenity</i> Panels. Serenity Fabric acoustic panels are constructed from materials that have all been tested to AS5637 ISO9705 Group 1 Fire Rating.	The Acoustic Absorber infill used in Serenity Panels has the following Fire Indices Australian: AS5637, ISO9705 Group 1 Fire Rating , European and American Standards: ASTM E84 Class A, EN 13501-1:2007 +A1:2009 Class B.

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).

Sound Absorption Coefficients Reverberation room method (Hz)							
Thickness	125	250	500	1000	2000	4000	NRC
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
100mm*	0.59	1.20	1.28	1.11	1.08	1.09	1.16

* Tested without edge treatment i.e. framed perimeter around test sample

Specifying Serenity Panels

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

- Fabric Faced Acoustic Panels shall be Serenity Acoustic Panels - ..mm thick x ..mm high x ..mm wide
- Fabric Facing, ..(name), (code), .. From (Manufacturer)
- Number and Sizes of Panels required

For more information visit www.sontext.com.au or contact Sontext or an Authorised Distributor

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