

Serenity High Impact Acoustic Panel

Looks Good Sounds Great



Gymnasiums

This room required a panel that could stand impact from objects like basketballs while reducing the noise from a lot of people in a space with hard floors and walls

Serenity High Impact Panels are designed to be installed on walls or ceilings of public places to reduce reverberation and improve sound quality. Serenity High Impact Panels are constructed of a new generation sound absorbing insulation and covered with a designer fabric to enhance the décor of the room.

By incorporating Serenity High Impact Panels into the design of a room sound clarity can be enhanced by reducing reverberation. Serenity High Impact Panel have a timber frame and include an acoustic membrane which improves the acoustic performance and creates an High impact resistant facing. The panels are fixed to the wall with a direct fix split batten system that is included with each panel.

Typical applications are Gymnasiums Audio Rooms, Schools, Churches, or Community Centres.



Cafeterias.

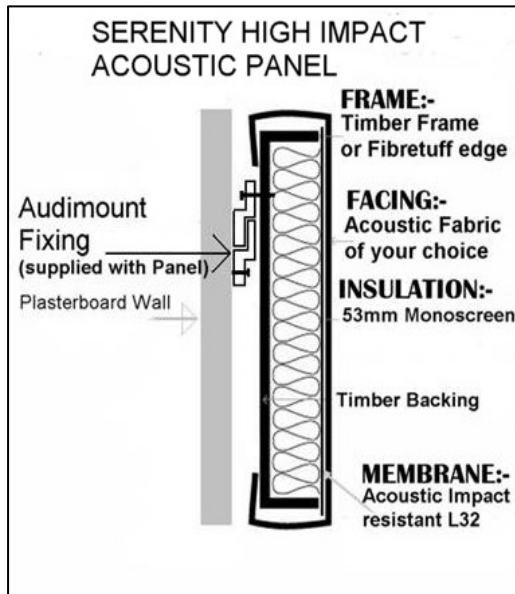
This room is a noisy and busy cafeteria in a leading university campus requiring a product that could be subject to a lot of impact, while adding to the décor using Laine Furnishings Suzette. The noise levels were reduced considerably making the room a comfortable place to have lunch

Finishes

Serenity High Impact Acoustic Panels are available in a wide range of designer fabric finishes available from Australia's leading fabric suppliers To check for suitability of fabrics contact the Shamrock office to discuss or organise a sample

Physical Properties

Thickness (mm)	Size (mm)	Insulation
53	1200 H X 1200 W , 2400 H X 1200W Other sizes available on a request basis	MonoScreen



Serenity High Impact Acoustic Panels are installed on walls using the unique Audimount Fixing system. The Channel is factory applied to the back of the panel and by fixing the wall bracket with either screws or toggle bolts the panels are installed with a 6mm airspace. Using this method installation time and costs can be reduced by 50% when compared to traditional methods. Serenity High Impact Acoustic Panels are manufactured in Australia and incorporate a sound absorbing core (Monoscreen) which is a unique product tested and developed in conjunction with Insulation Solutions.

The Audimount system gives a clean finish and is simple to install.



Acoustic Properties

Thickness	Sound Absorption Coefficients Reverberation room method (Hz)						
	125	250	500	1000	2000	4000	N.R.C.
53mm	0.40	0.90	0.85	0.80	0.85	0.95	0.85

Serenity High Impact Acoustic 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 with the Audimount fixing system. This results in up to 85% of the sound that hits the panel being absorbed.

Increases in low frequency absorption can be achieved by adding an air gap or by increasing the thickness of the panel. To establish the right performance required please contact an acoustic consultant.

Available From	
Shamrock Acoustic Products Head Office Factory 4 134—136 Freight Drive Somerton Victoria Australia	Phone 61 3 9432 2733 Fax 61 3 9432 2533 Mobile 0428 100 300 Email geraldh@shamrockconsulting.com.au www.shamrockconsulting.com.au