



Soundproof  
Warehouse

## OUTBACK ACOUSTIC PANELS



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# DESCRIPTION

Outback Acoustic Panels are made for the harsh Australian environment and all industrial conditions. The panels achieve superior sound transmission loss of 33 dB. The panels are also nonsound reflective achieving an NRC 1. The panels have a 50mm engineered absorption core along with the Sound-Stop 5 heavy visco elastic polymer, thus allowing the panels to stop noise and absorb all unwanted reverberation. The Outback Acoustic Panels can be used outdoors or indoors in any environment. Mines, car wash bays, train stations, air con clusters, extraction fans etc.

## Specifications (all measurement in millimetres)

Rw/STC - Sound Transmission loss	33
NRC - Noise Reduction Coefficient	1
Weight/dimension - (1200 x 2400 x 61)	49kg
Standard Dimensions – Can Customise	1200 x 2400 x 61
Frame aluminum	C-channel 61 x 32 x 3 (welded corners)
Front face aluminum	Perforated 2mm holes on 3mm centers staggered
Back face aluminum	1mm flat sheet

- UV tolerant
- Power washable
- Animal resistant



# Sound Transmission Test

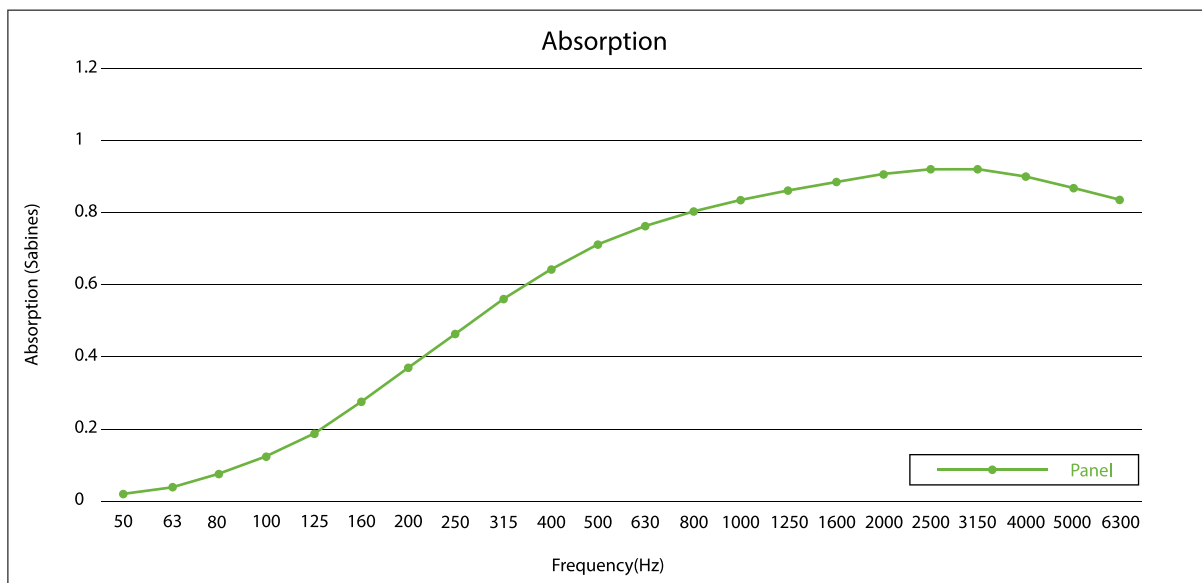
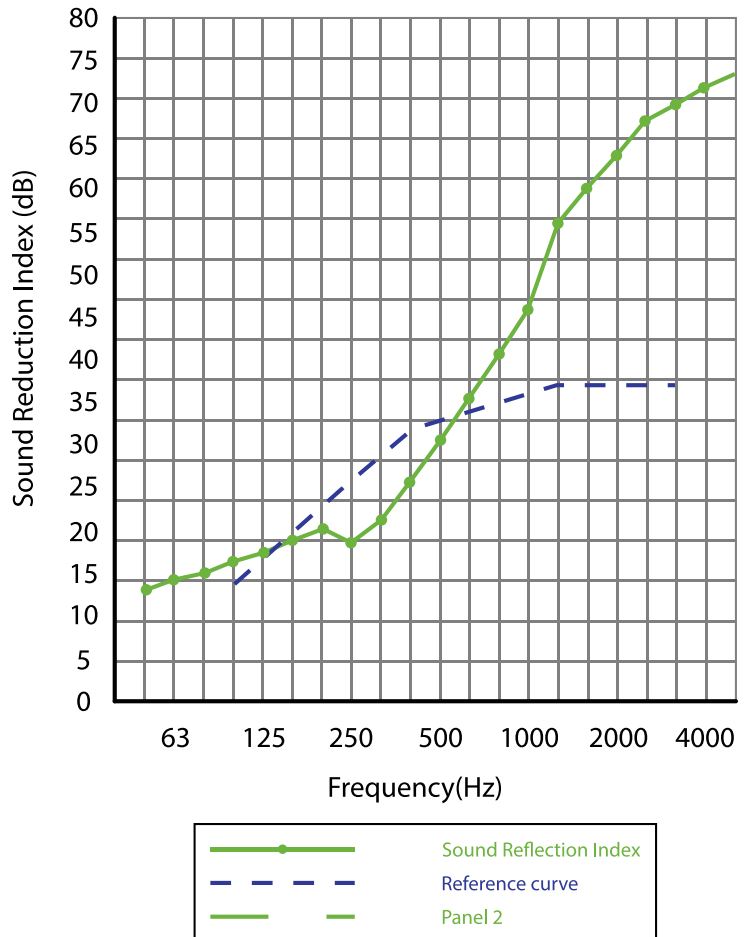
Panel 1 : 1 x 1.0mm Aluminum ( $\rho$ :2900 kg/m<sup>3</sup>, E:85GPa,  $\eta$ :0.01) + 1 x 5.0mm Sound-Stop5 ( $\rho$ :1300 kg/m<sup>3</sup>, E:4.7GPa,  $\eta$ :0.20)

Panel 2 : 1 x 1.0mm Perforated Alloy

Cavity: Steel Frame (3mm): Stud spacing 1200 mm, Infill Mineral Fiber 650 Thickness 50mm ( $\rho$ :100 kg/m<sup>3</sup>, Rf:53000 Pa.s/m<sup>2</sup>)

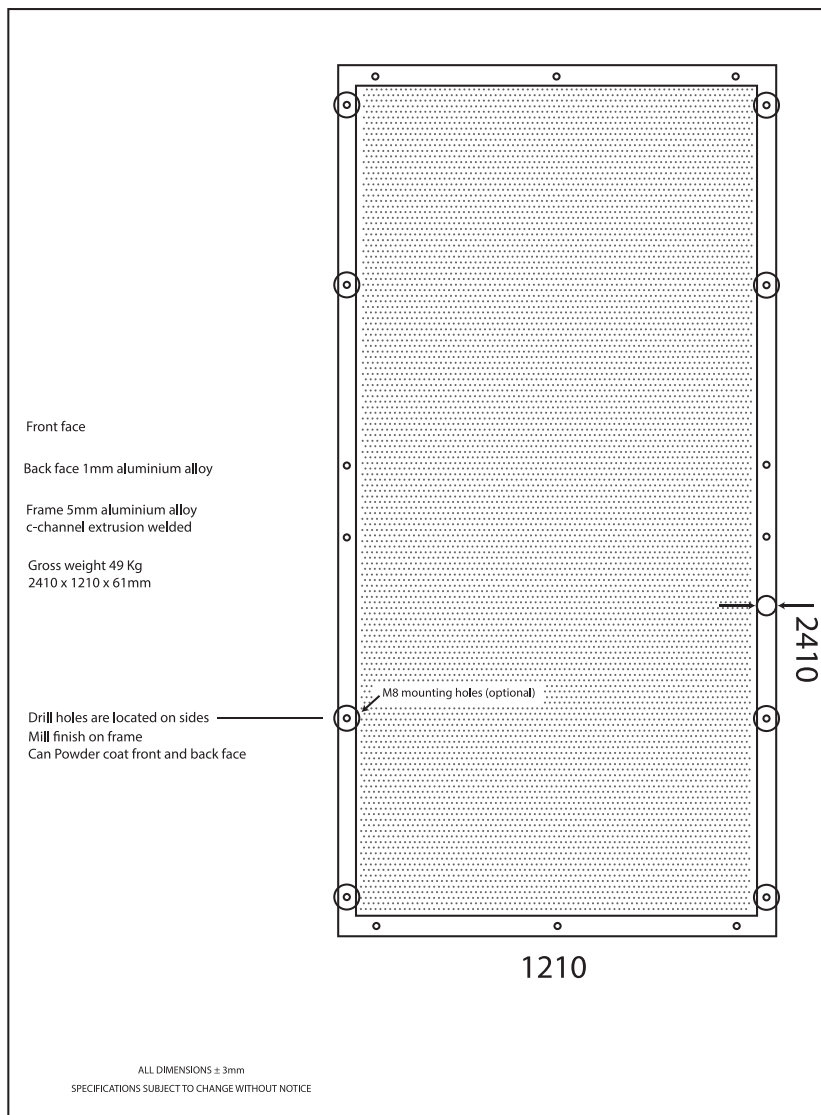
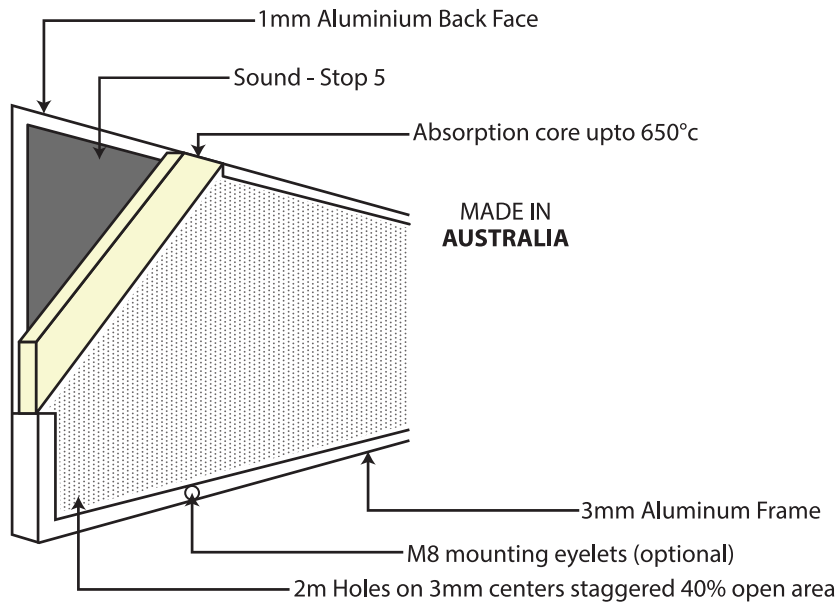
Mass-air-mass resonant frequency = 240 Hz

frequency (Hz)	R(dB)	R(dB)
50	13	
63	14	14
80	15	
100	16	
125	17	17
160	19	
200	20	
250	18	20
315	21	
400	26	
500	31	29
630	36	
800	41	
1000	46	44
1250	56	
1600	60	
2000	64	63
2500	68	
3150	70	
4000	72	72
5000	74	



Transmission loss

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## Contact Us

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