

ecooustic[®] panel



INSTYLE

ecooustic® colours



White*



Cream*



Natural*



Oatmeal*



Quartz



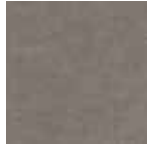
Taupe



Opal*



Dove*



Oyster*



Light Grey



Pewter



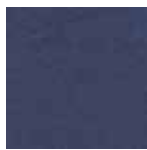
Charcoal



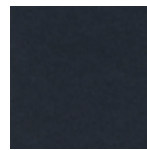
Spray*



Sky*



Baltic



Nautical



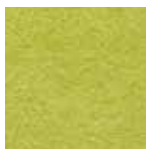
Cobalt



Indigo



Fresco*



Lime



Green



Field



Caper



Aqua



Yellow



Lemon



Orange



Paprika



Red



Berry



Cameo*



Aubergine



Fossil



Jet

*White, Natural, Sky, Cream, Cameo, Fresco, Oatmeal, Opal, Dove, Oyster + Spray are supplied with white core, other colours are supplied with black core

Product may vary in colour due to the nature of the media

Please refer to website for current colour range



COMPOSITION	100% PET (>50% recycled PET)		
THICKNESS / WEIGHT	8mm approx. / 1550gsm (+/- 10%) 13.5mm approx. / 2750gsm (+/- 10%) 25mm approx. / 2650gsm (+/- 10%) 50mm approx. / 4150gsm (+/- 10%)		
DIMENSIONS	1210 x 2720mm approx.		
LIGHTFASTNESS ISO 105-B02	> 6		
LUMINOUS REFLECTANCE ASTM E1477	Please refer to test results for specific colours		
FIRE RATINGS AS/NZS 1530.3		8mm	13.5mm
	Ignitability	6	0
	Spread of Flame	0	0
	Heat Evolved	1	0
	Smoke Developed	6	4
AS/ISO 9705 AS 5637.1	BCA Group 1 SMOGRA <100 NZBC Group 1-S		
GB 8624-2012	8mm: Grade B1		
ACOUSTIC AS/ISO 354 Direct Fix Refer to acoustic graphs	8mm:	α_w 0.34 / NRC 0.3	
	13.5mm:	α_w 0.51 / NRC 0.5	
	25mm:	α_w 0.8(H) / NRC 0.85	
	50mm:	α_w 1.0 / NRC 1.0	
THERMAL PERFORMANCE	25mm:	R 0.7 (23°C)	
	50mm:	R 1.36	
APPLICATION	Screen, wall + ceiling panel		
PLEASE NOTE	Onsite trimming to square individual panels is essential. Variation in thickness, fibre mix, colour as well as flecks and surface blemishes are an inherent feature and are unavoidable. Variation between batches may occur Results from performance tests are guidelines only		
ORIGIN	Made in Australia		

BENEFITS

Improved Sound Absorption: Ecoustic[®] Panel is available in four sound absorbing thicknesses. 8mm + 13.5mm are ideal for high frequency absorption. 25mm is ideal for medium and high frequency absorption. 50mm displays broadband characteristics and is ideal for low, medium and high frequency absorption. The sound absorption improves if the panel is installed with an airgap.

Improved Pinability: Ecoustic[®] Panel features an improved pinability compared to similar panel products.

Lightweight, Easy to Handle + Install: Compared to traditional panels, Ecoustic[®] Panel is lower in weight, easier to handle and results in reduced transportation costs. Ecoustic[®] Panel is designed to optimally fit walls, resulting in less labour and materials. Ecoustic[®] Panel can be trimmed and installed without the need for additional finishes, which reduces labour and material costs. Installation + Care Guidelines are available on our website.

Edging Profile: 9mm, 14.5mm, 25mm + 50mm natural anodised aluminium edging length at 2750mm (+/- 5mm) are available.

Designed for the Environment: Ecoustic[®] Panel is made from over 50% post-consumer and post-industrial recycled PET and recyclable through our Revive program.

Low VOC + Greentag Level A Certification: Ecoustic[®] Panel is certified low-VOC and is Greentag Level A Certified.

Building Rating Systems: Ecoustic[®] Panel will contribute the following points for Green Star, LEED and WELL building standards.

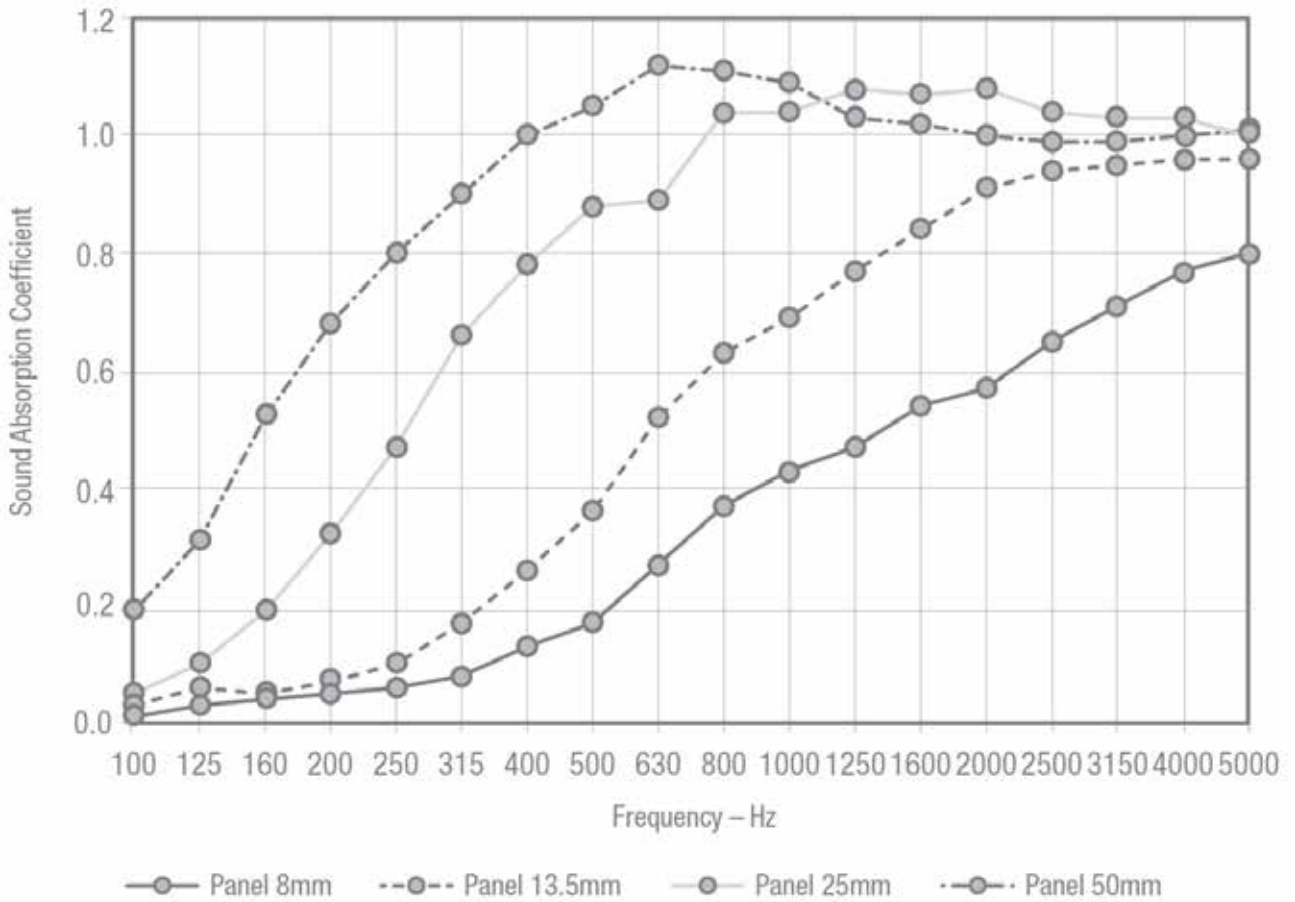
Criteria	Green Star	LEED	WELL
Recycled Content	√	√	NA
Low VOC	√	√	√
Recycling Program	√	√	NA
EPD	√	√	NA
Third Party Greentag Level A Certification	√	√	√
Toxic Material Reduction	NA	NA	√

ACOUSTIC PERFORMANCE

Ecoustic® Panel Comparison

The sound absorption has been tested in accordance with AS/ISO 354. For complete test reports please contact your local distributor.

- 8mm α_w 0.34 / NRC 0.3 (Direct Fix)
- 13.5mm α_w 0.51 / NRC 0.5 (Direct Fix)
- 25mm α_w 0.8(H) / NRC 0.85 (Direct Fix)
- 50mm α_w 1.0 / NRC 1.0 (Direct Fix)



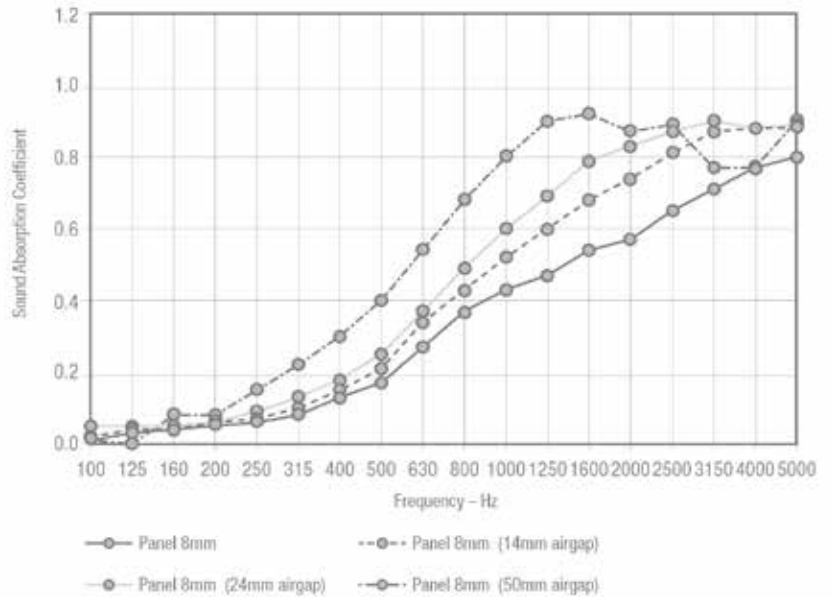
ACOUSTIC PERFORMANCE

Ecoustic® Panel 8mm

Ecoustic® Panel 8mm is ideal for high frequency absorption and achieves an NRC 0.3 + α_w 0.34 rating when the panel is directly fixed to a wall. The sound absorption improves if the panel is installed with an airgap. The sound absorption has been tested in accordance with AS/ISO 354. For complete test reports please contact your local distributor.

Direct Fix α_w 0.34 / NRC 0.3
 14mm Airgap α_w 0.41 / NRC 0.4
 24mm Airgap α_w 0.45 / NRC 0.45
 50mm Airgap α_w 0.4 / NRC 0.55

Frequency	Direct Fix	14mm Airgap	24mm Airgap	50mm Airgap
100	0.01	0.02	0.05	0.01
125	0.03	0.04	0.05	0.00
160	0.04	0.04	0.05	0.08
200	0.05	0.06	0.06	0.08
250	0.06	0.07	0.09	0.15
315	0.08	0.10	0.13	0.22
400	0.13	0.15	0.18	0.30
500	0.17	0.21	0.25	0.40
630	0.27	0.34	0.37	0.54
800	0.37	0.43	0.49	0.68
1000	0.43	0.52	0.60	0.80
1250	0.47	0.60	0.69	0.90
1600	0.54	0.68	0.79	0.92
2000	0.57	0.74	0.83	0.87
2500	0.65	0.81	0.87	0.89
3150	0.71	0.87	0.90	0.77
4000	0.77	0.88	0.88	0.77
5000	0.80	0.88	0.89	0.90
NRC	0.3	0.4	0.45	0.55



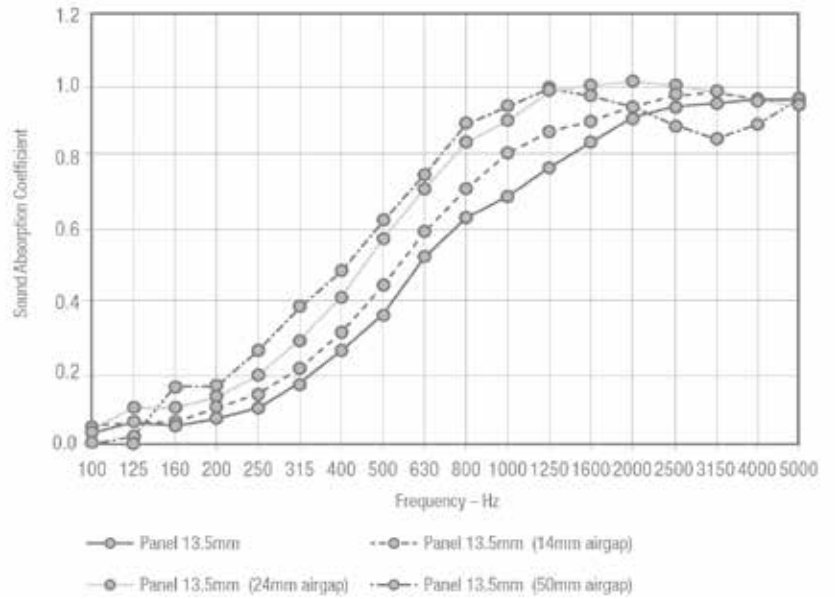
ACOUSTIC PERFORMANCE

Ecoustic® Panel 13.5mm

Ecoustic® Panel 13.5mm is ideal for high frequency absorption and achieves an NRC 0.5 + α_w 0.51 rating when the panel is directly fixed to a wall. The sound absorption improves if the panel is installed with an airgap. The sound absorption has been tested in accordance with AS/ISO 354. For complete test reports please contact your local distributor.

Direct Fix	α_w 0.51 / NRC 0.5
14mm Airgap	α_w 0.56 / NRC 0.6
24mm Airgap	α_w 0.6 / NRC 0.65
50mm Airgap	α_w 0.55 / NRC 0.7

Frequency	Direct Fix	14mm Airgap	24mm Airgap	50mm Airgap
100	0.03	0.05	0.04	0.00
125	0.06	0.06	0.10	0.02
160	0.05	0.06	0.10	0.16
200	0.07	0.10	0.13	0.16
250	0.10	0.14	0.13	0.16
315	0.17	0.21	0.29	0.38
400	0.26	0.31	0.41	0.48
500	0.36	0.44	0.57	0.62
630	0.52	0.59	0.71	0.75
800	0.63	0.71	0.84	0.89
1000	0.69	0.81	0.90	0.94
1250	0.77	0.87	0.98	0.99
1600	0.84	0.9	1.0	0.97
2000	0.91	0.94	1.01	0.94
2500	0.94	0.97	1.0	0.89
3150	0.95	0.98	0.98	0.85
4000	0.96	0.96	0.96	0.89
5000	0.96	0.96	0.94	0.96
NRC	0.5	0.6	0.65	0.7



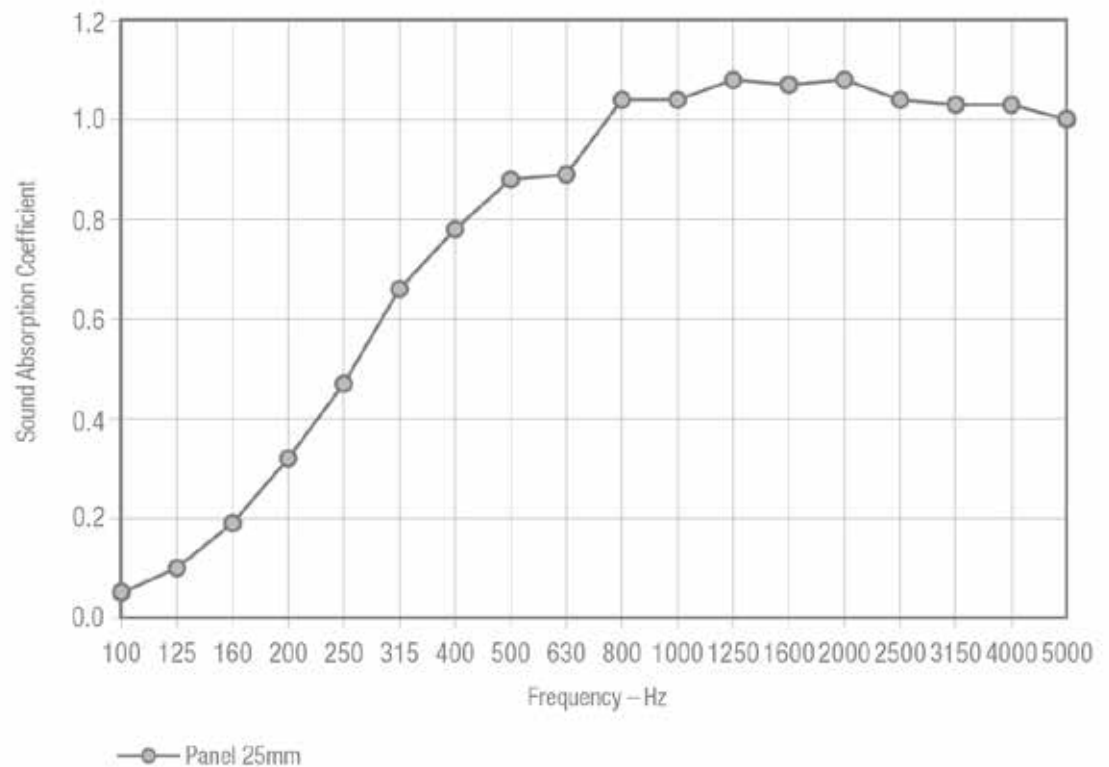
ACOUSTIC PERFORMANCE

Ecoustic® Panel 25mm

Ecoustic® Panel 25mm is ideal for medium and high frequency absorption and achieves an α_w 0.8(H) + NRC 0.85 rating when the panel is directly fixed to a wall. The sound absorption improves if the panel is installed with an airgap. The sound absorption has been tested in accordance with AS/ISO 354. For complete test reports please contact your local distributor.

α_w 0.8(H) / NRC 0.85

Frequency	Direct Fix
100	0.05
125	0.10
160	0.19
200	0.32
250	0.47
315	0.66
400	0.78
500	0.88
630	0.89
800	1.04
1000	1.04
1250	1.08
1600	1.07
2000	1.08
2500	1.04
3150	1.03
4000	1.03
5000	1.00
NRC	0.85



ACOUSTIC PERFORMANCE

Ecoustic® Panel 50mm

Ecoustic® Panel 50mm displays broadband characteristics and is ideal for low, medium and high frequency absorption, achieving an α_w 1.0 + NRC 1.0 rating when the panel is directly fixed to a wall. The sound absorption has been tested in accordance with AS/ISO 354. For complete test reports please contact your local distributor.

α_w 1.0 / NRC 1.0

Frequency	Direct Fix
100	0.19
125	0.31
160	0.52
200	0.68
250	0.8
315	0.9
400	1.0
500	1.05
630	1.12
800	1.11
1000	1.09
1250	1.03
1600	1.02
2000	1.0
2500	0.99
3150	0.99
4000	1.0
5000	1.01
NRC	1.0

