

Ecoustic® Panel

—
Elegant acoustic panels available in four
sound absorbing thicknesses



INSTYLE

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

Ecoustic® Panel



COMPOSITION	100% PET (up to 80% recycled PET)		
THICKNESS / WEIGHT Approx.	8mm (+/-1mm approx) / 1550gsm 13.5mm (+/-1mm approx) / 2750gsm 25mm (+/-2mm approx) / 2650gsm 50mm (+/-2mm approx) / 4150gsm		
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 SMOGR <100 NZBC Group 1-S		
GB 8624-2012	8mm: Grade B1		
ACOUSTIC	Refer to acoustic info on next page		
THERMAL PERFORMANCE	25mm: R 0.7 (23°C) 50mm: R 1.36		
APPLICATION	Screen, wall + ceiling panel		
ORIGIN	Made in Australia		
IMPORTANT	Onsite trimming to square each panel is essential. Variation in thickness, fibre mix, colour as well as flecks + surface blemishes are an inherent + unavoidable feature. Variations from panel to panel can occur, panel joins may be obvious upon installation creating a panelling effect. Installation may require onsite adjustment by the contractor to achieve a professional finish + minimal variation. Results from performance tests are guidelines only		

BENEFITS

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 costs less in transport. Ecoustic® Panel is designed to optimally fit walls, resulting in less labour and materials. Installation + Care Guidelines are available on our website.

Edging + T Trim: Natural anodised aluminium edging + T Trim are available

Designed for the Environment

- Based on low energy manufacturing
- 100% polyester (up to 80% PC + PI recycled content)
- Designed for disassembly + recyclable
- Low-VOC, EPD + Greentag Level A Certified

Building Rating Systems: Ecoustic® Panel will contribute the following points for Green Star, LEED + 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	√
Sound Reducing Surfaces 25mm + 50mm	NA	NA	√

HOW TO SPECIFY

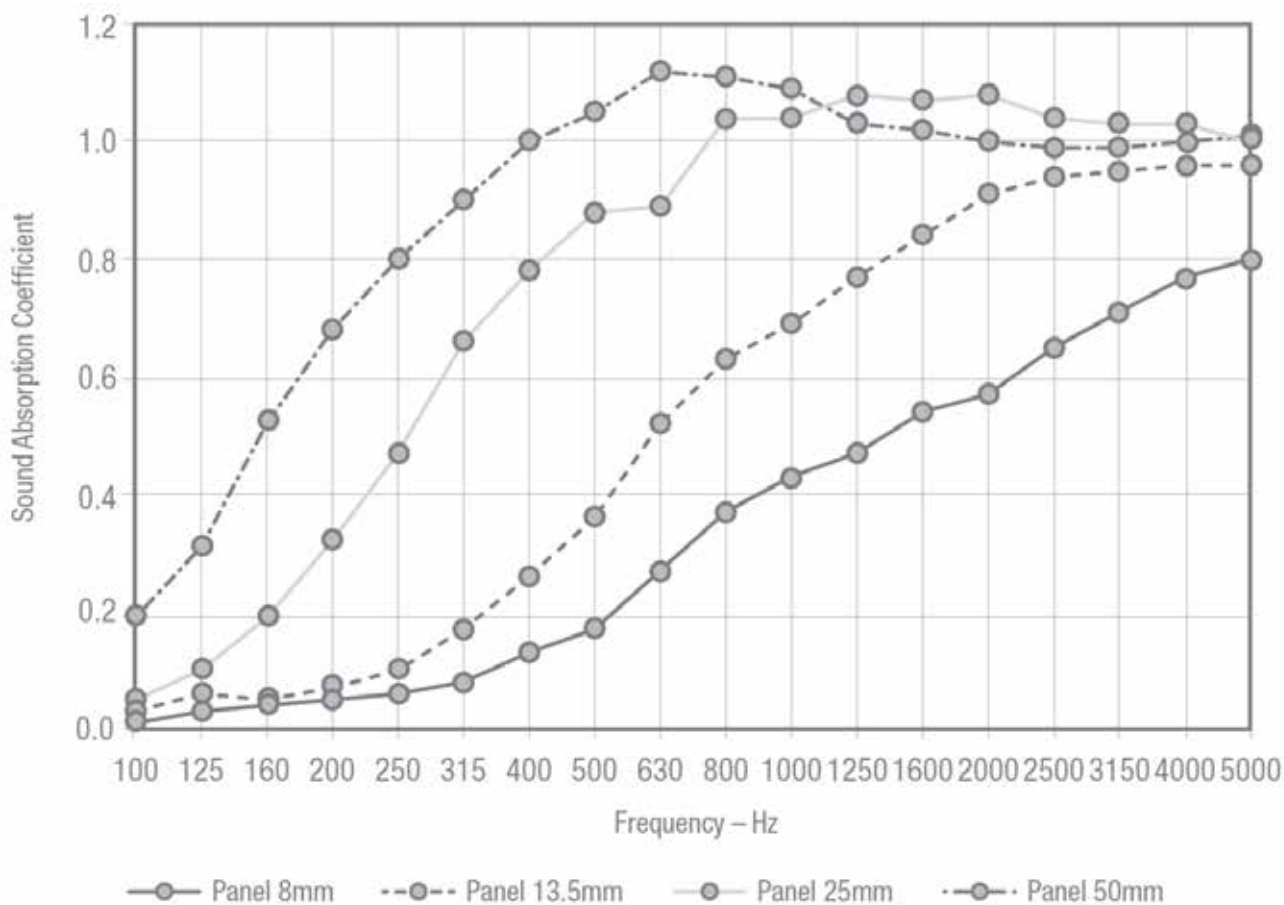
PRODUCT	Ecoustic® Panel
THICKNESS	8mm, 13.5mm, 25mm or 50mm
COLOUR	Select from Ecoustic® Felt colours
EDGING / T TRIM	Optional extra - order separately

Acoustic Performance

Ecoustic® Panel

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)



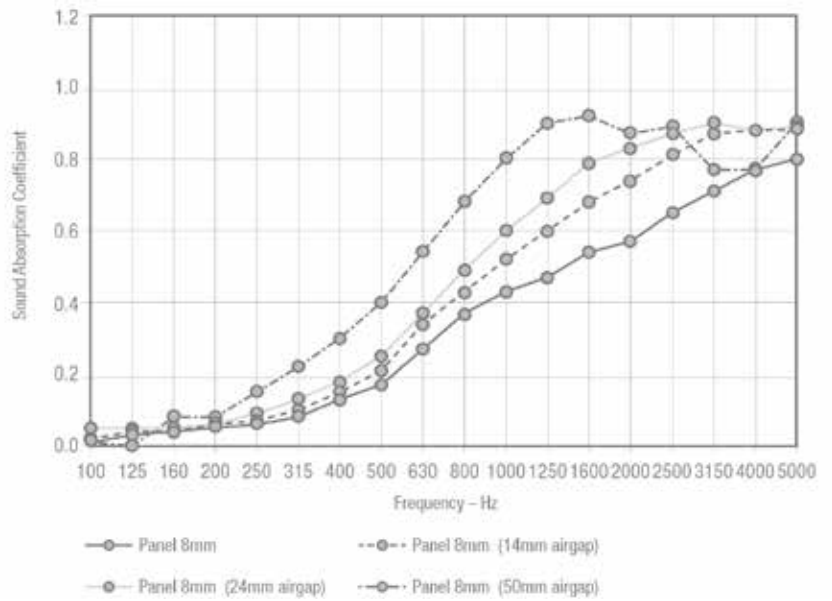
Acoustic Performance

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



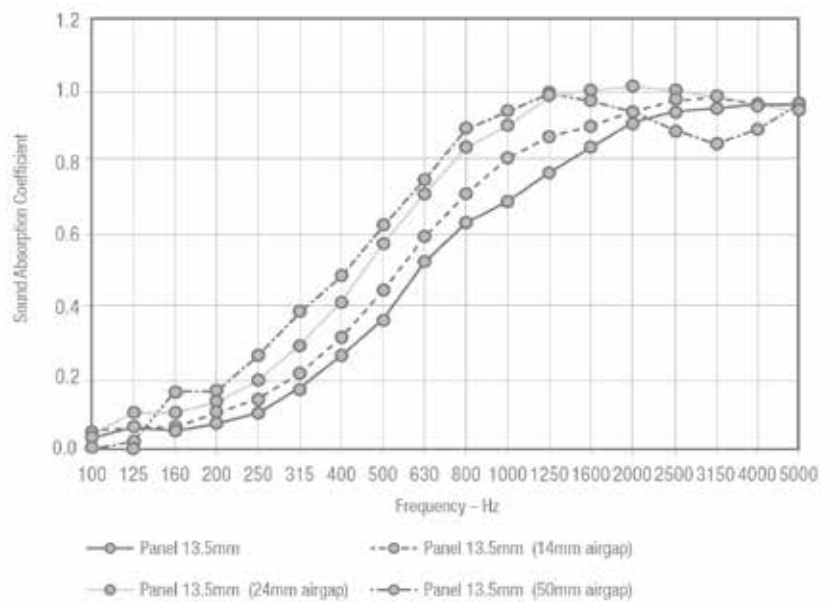
Acoustic Performance

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



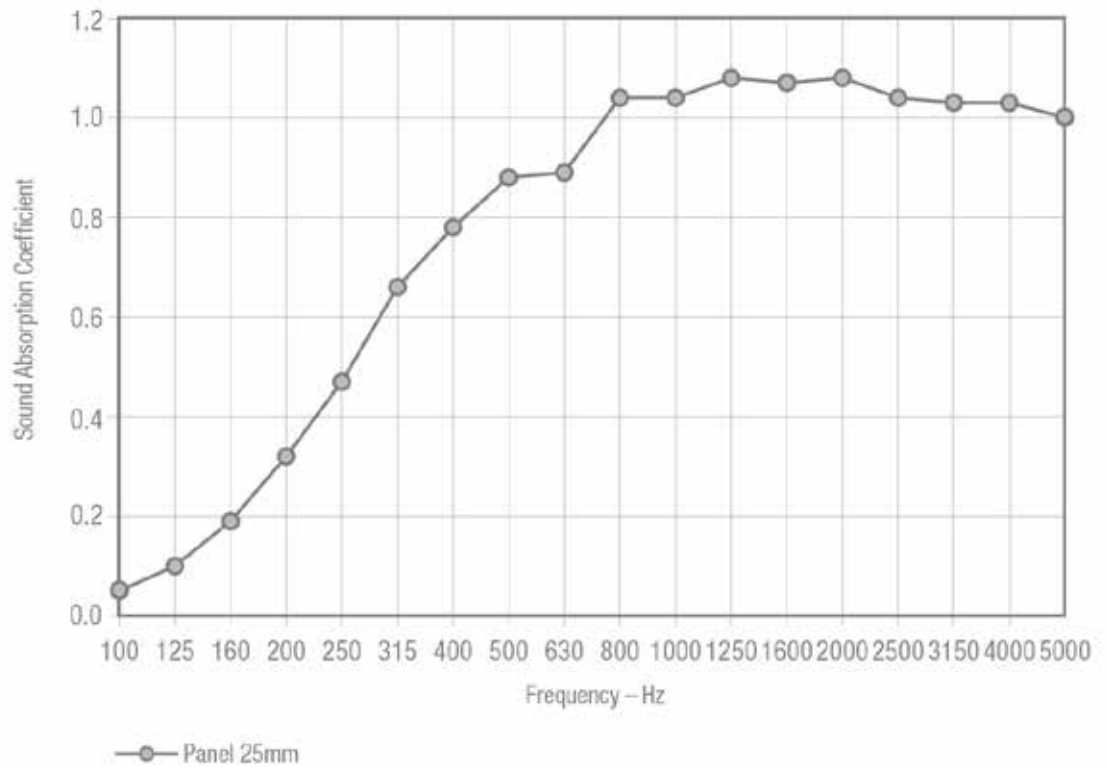
Acoustic Performance

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

