

# Ecoustic® Panel

—  
Elegant acoustic panels available in four  
sound absorbing thicknesses



INSTYLE

# Colours



White\*



Cream\*



Natural\*



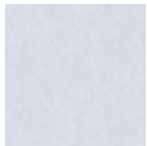
Oatmeal\*



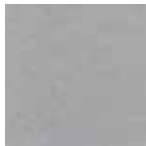
Quartz



Taupe



Opal\*



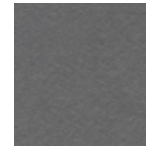
Dove\*



Oyster\*



Light Grey



Pewter



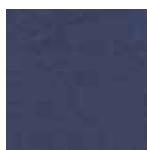
Charcoal



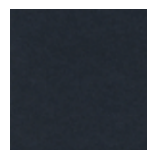
Spray\*



Sky\*



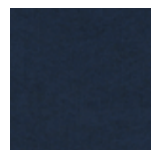
Baltic



Nautical



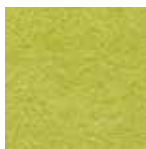
Cobalt



Indigo



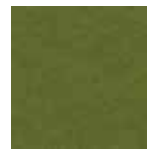
Fresco\*



Lime



Green



Field



Caper



Aqua



Yellow



Lemon



Orange



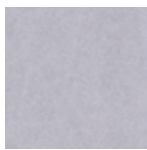
Paprika



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	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:	$\alpha_w$ 0.34 / NRC 0.3	
	13.5mm:	$\alpha_w$ 0.51 / NRC 0.5	
	25mm:	$\alpha_w$ 0.8(H) / NRC 0.85	
	50mm:	$\alpha_w$ 1.0 / NRC 1.0	
THERMAL PERFORMANCE	25mm:	R 0.7 (23°C)	
	50mm:	R 1.36	
APPLICATION	Screen, wall + ceiling panel		
EDGING	Natural anodised aluminium edging 2750mm are available for all thicknesses		
ORIGIN	Made in Australia		
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		

## 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.

### 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	Optional extra - order separately

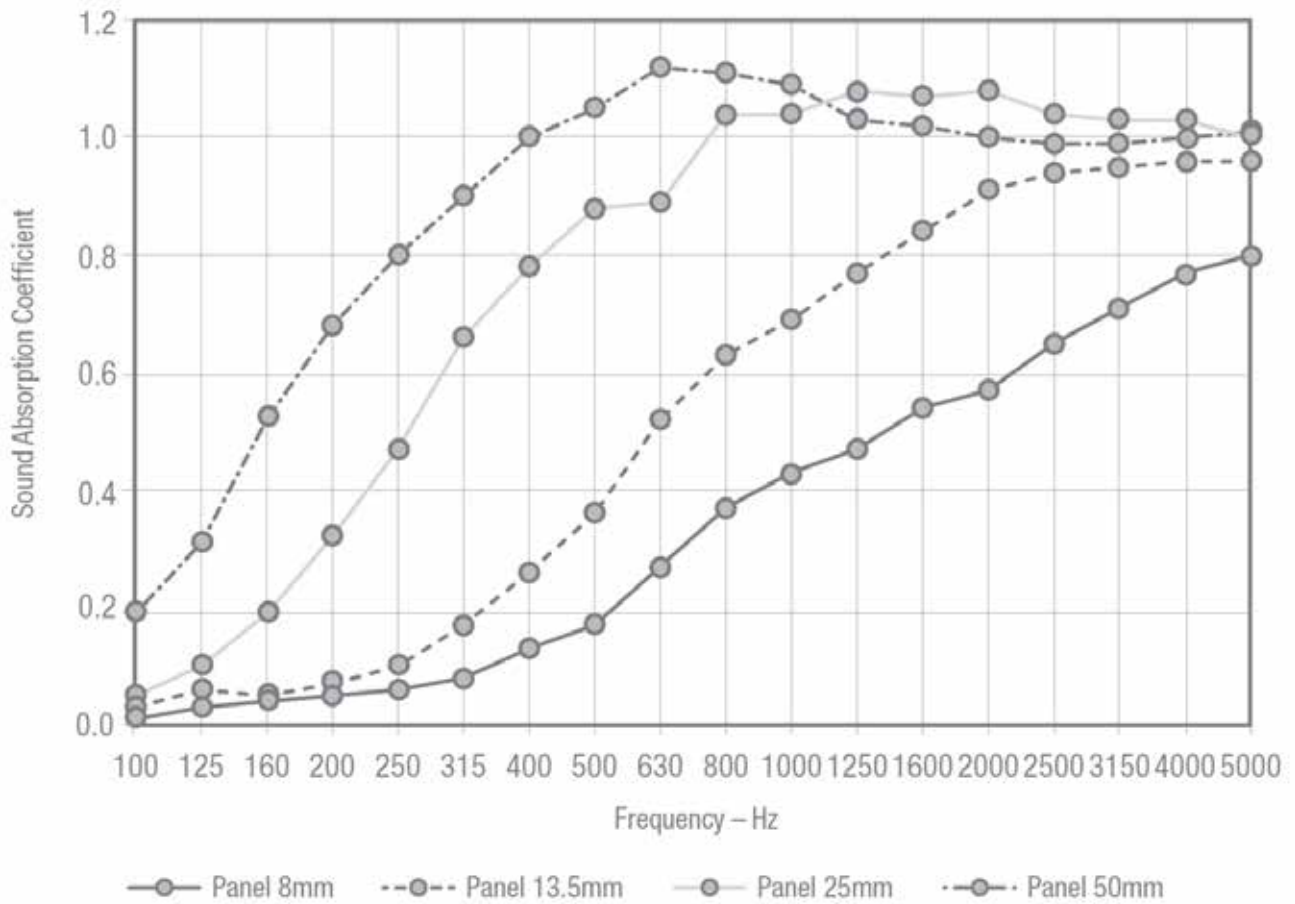
\*minimums apply

# 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  $\alpha_w$  0.34 / NRC 0.3 (Direct Fix)
- 13.5mm  $\alpha_w$  0.51 / NRC 0.5 (Direct Fix)
- 25mm  $\alpha_w$  0.8(H) / NRC 0.85 (Direct Fix)
- 50mm  $\alpha_w$  1.0 / NRC 1.0 (Direct Fix)



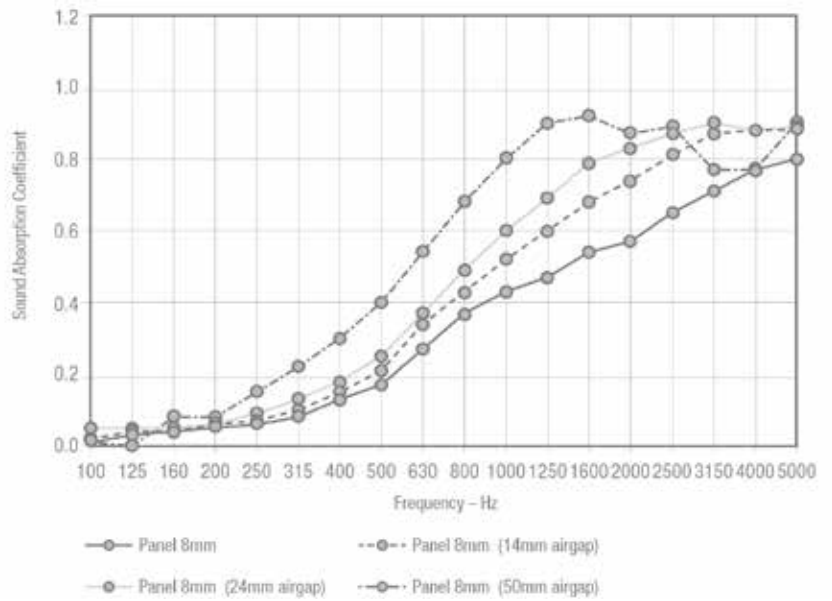
# Acoustic Performance

## Ecoustic® Panel 8mm

Ecoustic® Panel 8mm is ideal for high frequency absorption and achieves an NRC 0.3 +  $\alpha_w$  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             $\alpha_w$  0.34 / NRC 0.3  
 14mm Airgap         $\alpha_w$  0.41 / NRC 0.4  
 24mm Airgap         $\alpha_w$  0.45 / NRC 0.45  
 50mm Airgap         $\alpha_w$  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



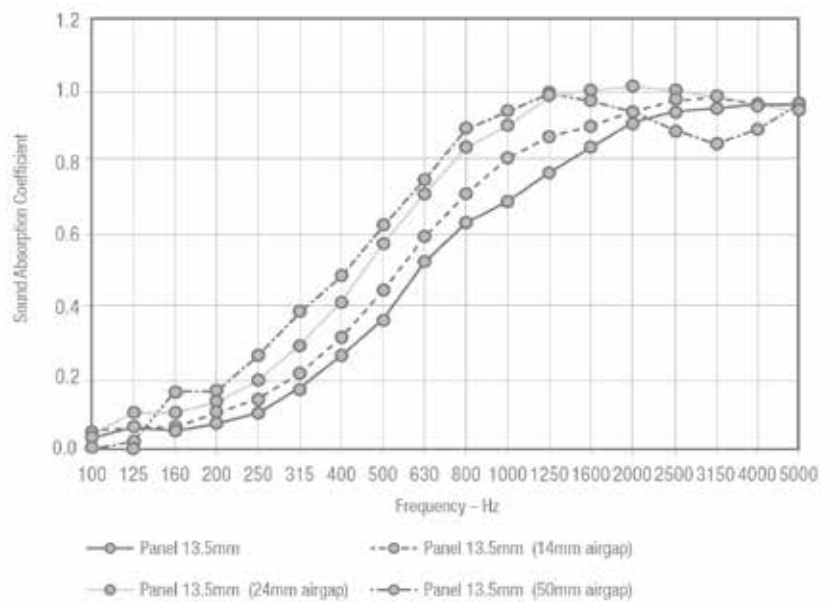
# Acoustic Performance

## Ecoustic® Panel 13.5mm

Ecoustic® Panel 13.5mm is ideal for high frequency absorption and achieves an NRC 0.5 +  $\alpha_w$  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	$\alpha_w$ 0.51 / NRC 0.5
14mm Airgap	$\alpha_w$ 0.56 / NRC 0.6
24mm Airgap	$\alpha_w$ 0.6 / NRC 0.65
50mm Airgap	$\alpha_w$ 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



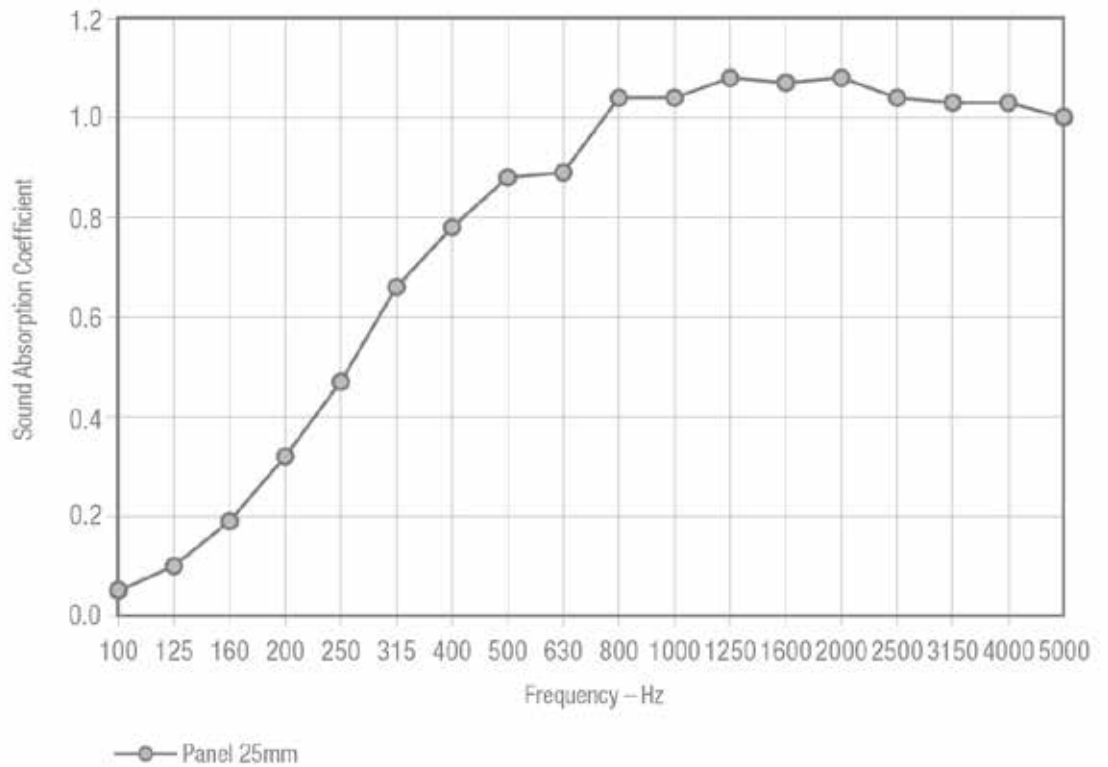
# Acoustic Performance

## Ecoustic® Panel 25mm

Ecoustic® Panel 25mm is ideal for medium and high frequency absorption and achieves an  $\alpha_w$  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.

$\alpha_w$  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  $\alpha_w$  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.

$\alpha_w$  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

