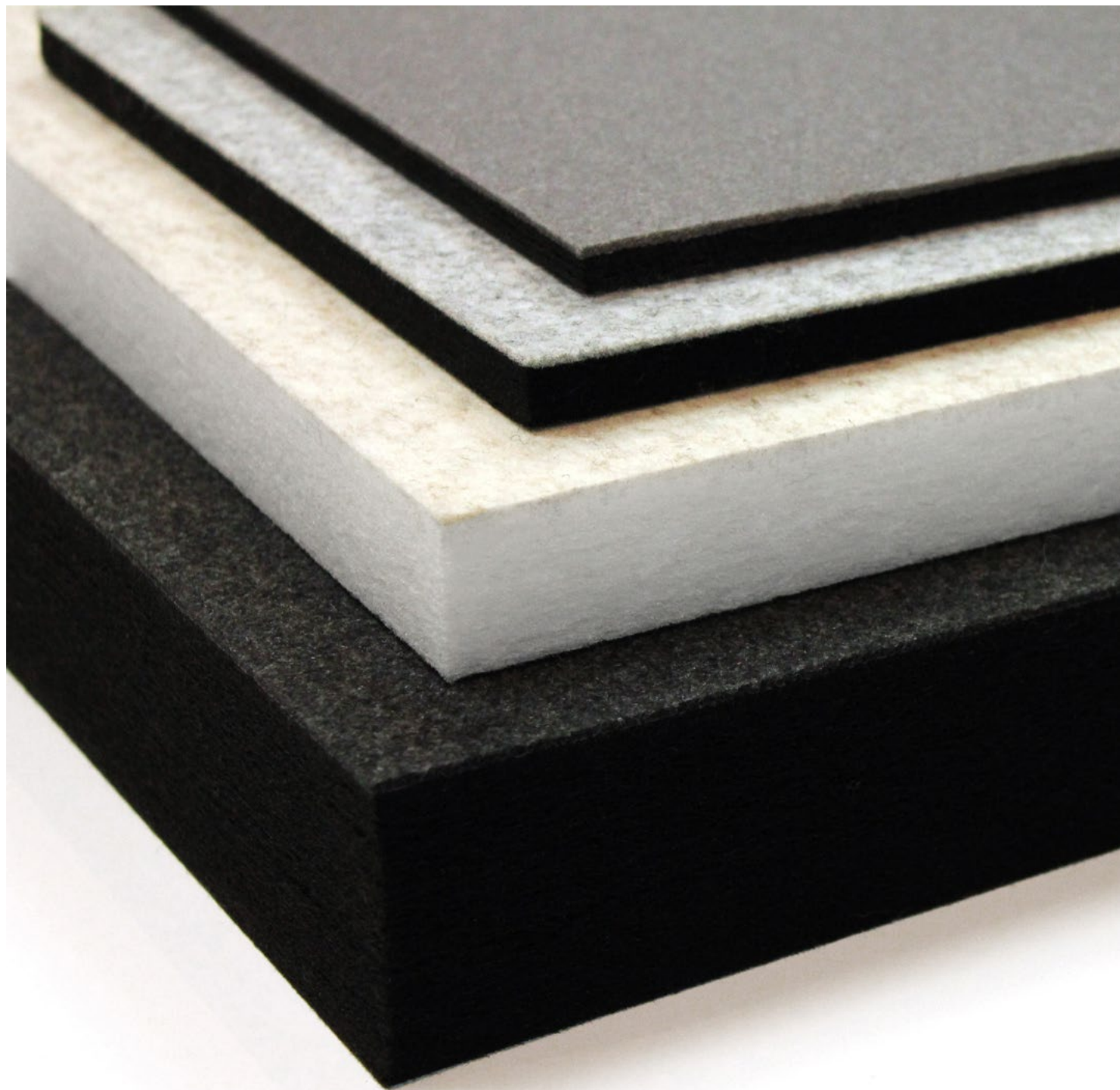


Ecooustic® Felt Panel

ecooustic®

—
Elegant acoustic panels with high performing white or black acoustic core



INSTYLE



| | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|--|-----|--------|--------------|---|---|-----------------|---|---|--------------|---|---|-----------------|---|---|
| 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 | Please refer to specific test results | | | | | | | | | | | | | | | | |
| FIRE RATINGS AS/NZS 1530.3 | | <table border="0"> <tr> <td></td> <td>8mm</td> <td>13.5mm</td> </tr> <tr> <td>Ignitability</td> <td>6</td> <td>0</td> </tr> <tr> <td>Spread of Flame</td> <td>0</td> <td>0</td> </tr> <tr> <td>Heat Evolved</td> <td>1</td> <td>0</td> </tr> <tr> <td>Smoke Developed</td> <td>6</td> <td>4</td> </tr> </table> | | 8mm | 13.5mm | Ignitability | 6 | 0 | Spread of Flame | 0 | 0 | Heat Evolved | 1 | 0 | Smoke Developed | 6 | 4 |
| | 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 | | | | | | | | | | | | | | | | |
| THERMAL PERFORMANCE | 25mm: R 0.7 (23°C) 50mm: R 1.36 | | | | | | | | | | | | | | | | |
| APPLICATION | Screen, wall + ceiling panel | | | | | | | | | | | | | | | | |
| ORIGIN | Made in Australia | | | | | | | | | | | | | | | | |
| PLEASE NOTE | Results from performance tests are guidelines only Onsite trimming to square each individual panel is essential Variation in thickness, fibre mix and colour as well as flecks + other slight surface blemishes are an inherent feature of this product and are unavoidable. Variation from batch to batch may occur Interior products must be protected from direct heat + sunlight | | | | | | | | | | | | | | | | |
| WARRANTY | 5 year conditional warranty against manufacturing defects. This applies to internal installation only, outdoor use will void any warranty | | | | | | | | | | | | | | | | |

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

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

Designed for the Environment



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 |
| Declare Label | NA | √ | √ |
| Greentag Level A Certification | √ | √ | √ |
| Toxic Material Reduction | NA | NA | √ |
| Sound Reducing Surfaces 25mm + 50mm | NA | NA | √ |

HOW TO SPECIFY

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

Ecoustic® Felt Panel Colours



White*



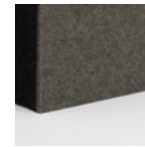
Cream*



Natural*



Oatmeal*



Quartz



Taupe



Opal*



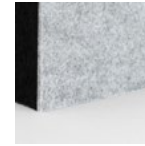
Dove*



Oyster*



Lunar*



Light Grey



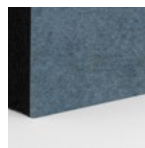
Pewter



Spray*



Sky*



Arctic



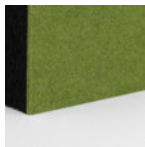
Baltic



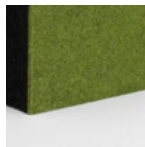
Cobalt



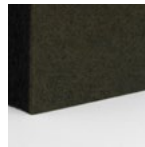
Nautical



Green



Field



Caper



Aqua



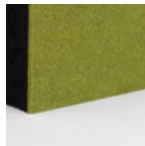
Hunter



Indigo



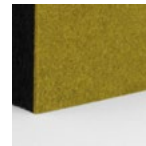
Fresco*



Lime



Yellow



Lemon



Mica*



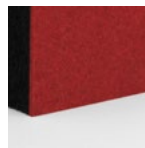
Sepia



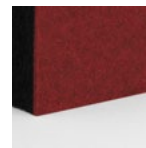
Cameo*



Aubergine



Red



Berry



Orange



Paprika



Fossil



Vault



Charcoal



Jet

*White, Natural, Sky, Cream, Cameo, Fresco, Oatmeal, Opal, Dove, Oyster, Lunar, Mica + 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

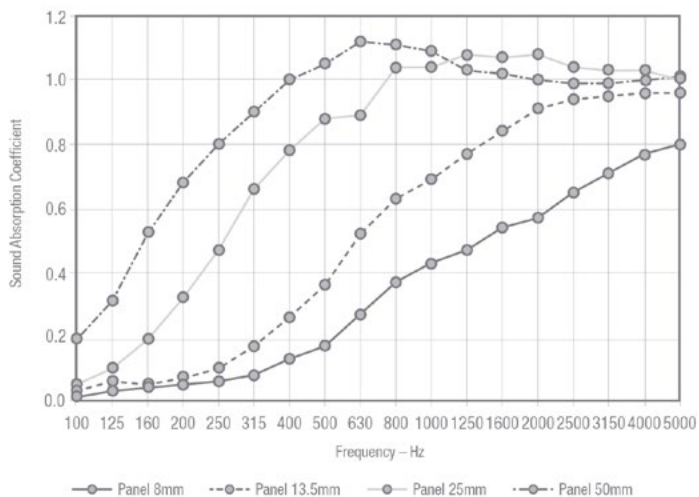
Ecoustic® Panel

| | |
|--------|---|
| 8mm | NRC 0.3 / α_w 0.34 (Direct Fix) |
| 13.5mm | NRC 0.5 / α_w 0.4MH (Direct Fix) |
| 25mm | NRC 0.85 / α_w 0.8(H) (Direct Fix) |
| 50mm | NRC 1.0 / α_w 1.0 (Direct Fix) |

The sound absorption improves if the panel is installed with an airgap.

Tested in accordance with AS/ISO 354.

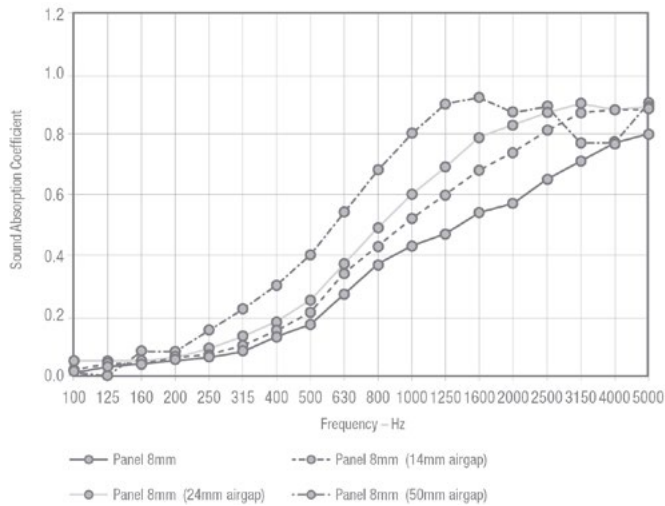
For complete test reports please contact your local distributor.



Ecoustic® Panel 8mm

Ecoustic® Panel 8mm is ideal for high frequency absorption.

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

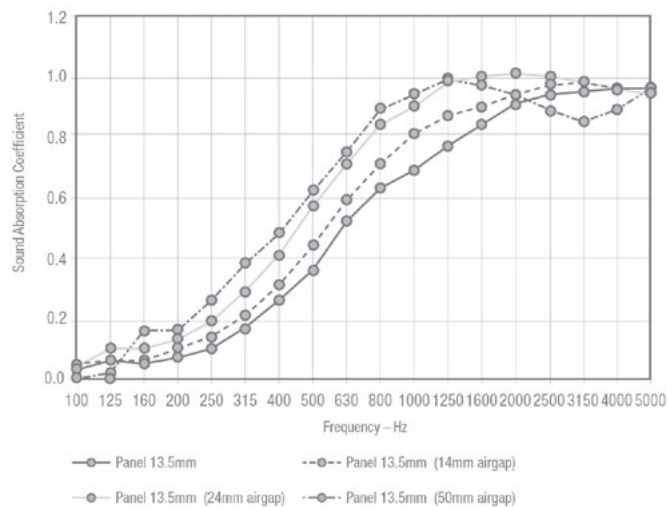


| Frequency | Direct Fix | 14mm Airgap | 24mm Airgap | 50mm Airgap |
|-----------|------------|-------------|-------------|-------------|
| 100 | 0.01 | 0.02 | 0.05 | 0.01 |
| 125 | 0.03 | 0.04 | 0.05 | 0.00 |
| 160 | 0.04 | 0.04 | 0.05 | 0.08 |
| 200 | 0.05 | 0.06 | 0.06 | 0.08 |
| 250 | 0.06 | 0.07 | 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 |

Ecoustic® Panel 13.5mm

Ecoustic® Panel 13.5mm is ideal for high frequency absorption.

Direct Fix NRC 0.5 / α_w 0.4 MH
 14mm Airgap NRC 0.6 / α_w 0.56
 24mm Airgap NRC 0.65 / α_w 0.5 MH
 50mm Airgap NRC 0.7 / α_w 0.55

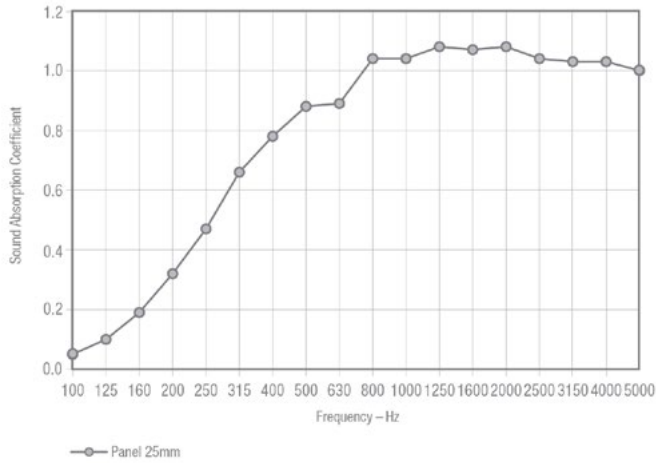


| Frequency | Direct Fix | 14mm Airgap | 24mm Airgap | 50mm Airgap |
|-----------|------------|-------------|-------------|-------------|
| 100 | 0.03 | 0.05 | 0.04 | 0.00 |
| 125 | 0.06 | 0.06 | 0.10 | 0.02 |
| 160 | 0.05 | 0.06 | 0.10 | 0.16 |
| 200 | 0.07 | 0.10 | 0.13 | 0.16 |
| 250 | 0.10 | 0.14 | 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 |

Ecoustic® Panel 25mm

Ecoustic® Panel 25mm is ideal for medium and high frequency absorption.

NRC 0.85 / α_w 0.8(H)

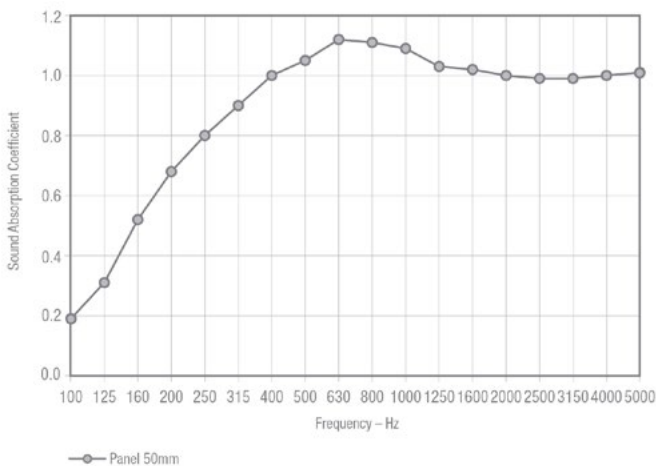


| Frequency | Direct Fix |
|-----------|------------|
| 100 | 0.05 |
| 125 | 0.10 |
| 160 | 0.19 |
| 200 | 0.32 |
| 250 | 0.47 |
| 315 | 0.66 |
| 400 | 0.78 |
| 500 | 0.88 |
| 630 | 0.89 |
| 800 | 1.04 |
| 1000 | 1.04 |
| 1250 | 1.08 |
| 1600 | 1.07 |
| 2000 | 1.08 |
| 2500 | 1.04 |
| 3150 | 1.03 |
|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

Ecoustic® Panel 50mm

Ecoustic® Panel 50mm displays broadband characteristics and is ideal for low, medium and high frequency absorption

NRC 1.0 / α_w 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 |