# EchoPanel® Empire

**Designer:** Woven Image

**Application(s):** Walls, Partitions

## Composition & Pattern

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|---|---|
| **Composition** | 100% PET (80% post-consumer recycled) |
| **Colours Available** | 37 |
| **Pattern Type** | Precision Cut |

## Dimensions & Weight

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|---|---|
| **Dimensions** | Length: 2750mm (+/-2 mm), Width: 1100mm (+/- 2mm), Thickness: 12mm (+/- 7%). Also available in 24mm (+/-7%), specifications will differ. |
| **Unit of Sale** | Panel |
| **Unit of Sale Net Weight (kg)** | 8 |

## Performance

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|---|---|
| **Fire Test Result** | AS 1530.3, BS EN 13501.1: Classification B - s1, d0, ISO 9705: Group 1, ASTM E84 Unadhered: Class 1 or A, BS EN 45545-2 + A1 Annex C: CIT: 0.05, GB 8624 B1 |
| **Acoustic Performance Standard Test Method** | AS ISO 354: 2006 (R2016), AS ISO 11654: 2002 (2016), ASTM C423 - 17 |

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| | |
|---|---|
| **Noise Reduction Coefficient (NRC) Result** | Direct fix: 0.45, 20mm air gap: 0.60, 50mm air gap: 0.75 |
| **Sound Absorption Average (SAA) Result** | Direct fix: 0.43, 20mm air gap: 0.61, 50mm air gap: 0.75 |
| **Weighted Sound Absorption Coefficient (αw) Result** | Direct fix: 0.30 (MH), 20mm air gap: 0.45 (MH), 50mm air gap: 0.60 (MH) |
| **Sound Absorption Class** | D (Direct fix), D (20mm air gap), C (50mm air gap) |
| **Additional Acoustic Information** | Noise reduction coefficient result key: H = High Frequency / MH = Mid to High Frequency |
| **Colour Fastness to Light Standard Test Method** | ISO 105 B02 |
| **Colour Fastness Light Rating** | 6 - 7 |
| **Light Reflectance Standard Test Method** | ASTM E1477 |
| **Light Reflectance Value** | Luminous Reflectance Factors (see table below for all colours): Dark (550 Onyx): 2.76, Mid (338 Jade): 20.52, Light (500 Off White): 80.44 |

## Sustainability

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|---|---|
| **VOC Emissions Results** | ASTM D5116 - 2017: TVOC Emissions Rate: 0.033mg/$m^2$/hr (24hrs); Formaldehyde Emissions Rate: 0.07mg/$m^2$/hr. CDPH Standard Method v1.2 – 2017 (CA 01350): TVOC Emissions Rate: 0.013mg/$m^3$; Formaldehyde Emissions Rate: <1µg/$m^3$ |
| **Sustainability Performance** | Climate Active Carbon Neutral PRODUCT<br>AUSTRALASIA EPD® ENVIRONMENTAL PRODUCT DECLARATION EPD REGISTRATION NUMBER: S-P-01162<br>GLOBAL GREEN TAG CERTIFIED GreenRate Level A trust brands |

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## Instructions

**Additional Information**

See Woven Image EchoPanel® Care & Cleaning Guide.
See Woven Image EchoPanel® Precision Cut Panels Installation Guide.

Exact colour matching cannot be guaranteed between batches. Fibre mix and web variation are natural characteristics of this product.

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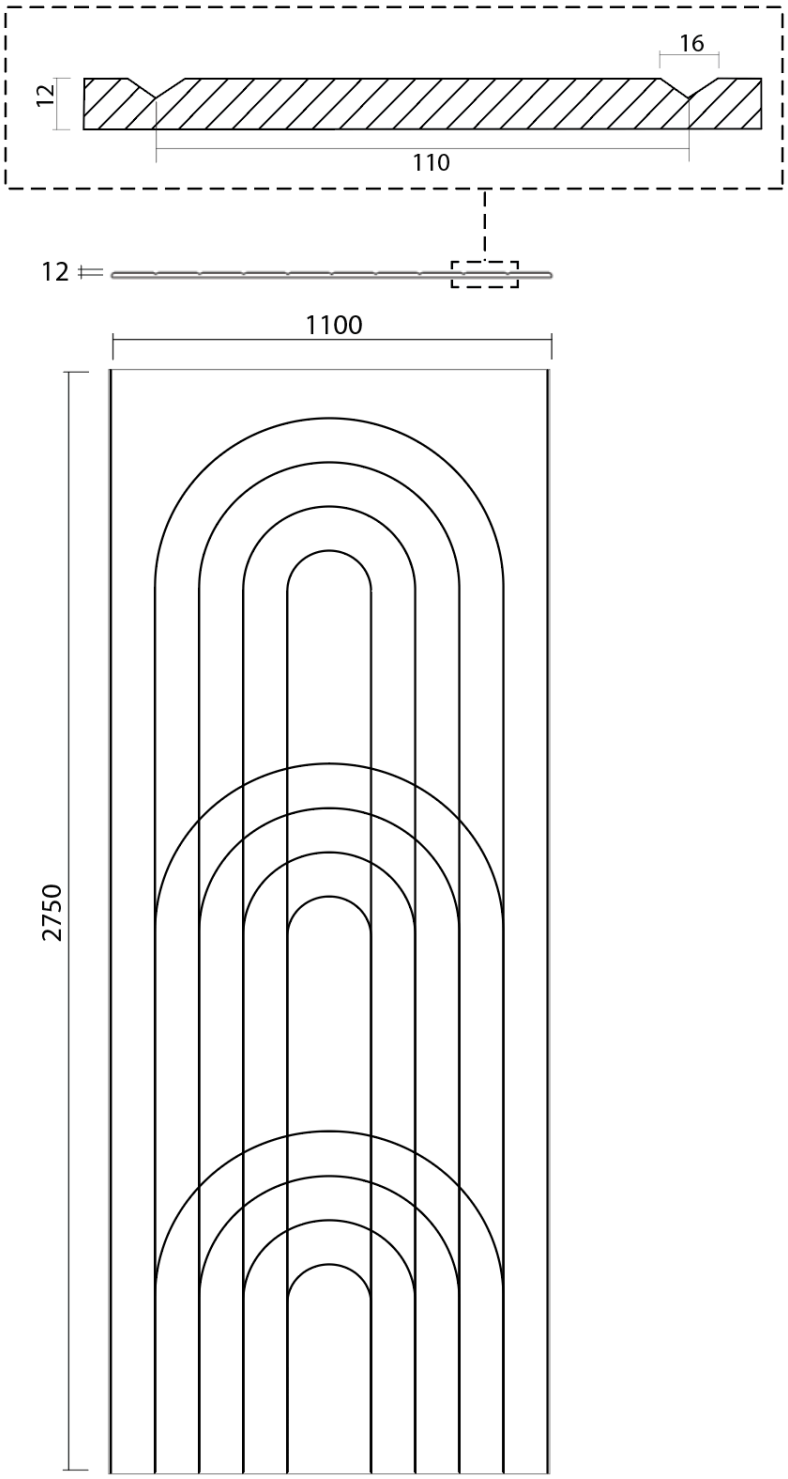


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| COLOUR CODE | COLOUR NAME | LUMINOUS REFLECTANCE FACTOR |
|---|---|---|
| 550 | ONYX | 2.76 |
| 542 | BLACK | 5.36 |
| 330 | IVY | 7.30 |
| 269 | WINE | 7.34 |
| 365 | NAVY | 8.04 |
| 193 | ROUGE | 10.94 |
| 447 | SLATE | 11.88 |
| 484 | CAYENNE | 13.75 |
| 167 | CINNAMON | 14.44 |
| 349 | VINEYARD | 16.76 |
| 384 | OLIVE | 17.60 |
| 660 | CORONET | 19.07 |
| 295 | MANDARIN | 20.07 |
| 444 | SMOKE | 20.09 |
| 633 | PACIFIC | 20.38 |
| 338 | JADE | 20.52 |
| 402 | PEBBLE | 21.25 |
| 721 | NUTMEG | 26.62 |
| 442 | GREY | 30.40 |
| 580 | SAGE | 32.77 |
| 579 | PISTACHIO | 33.98 |
| 551 | BLUE | 35.67 |
| 124 | OCHRE | 36.09 |
| 274 | ORCHID | 38.14 |
| 487 | BLUSH | 40.06 |
| 495 | DUSK | 41.16 |
| 468 | VANILLA | 42.59 |
| 101 | FROST | 45.64 |
| 454 | MUSHROOM | 52.03 |
| 573 | MINT | 54.87 |
| 908 | CREAM | 60.13 |
| 106 | BUTTER | 69.31 |
| 381 | LIME SPLICE | 69.31 |
| 500 | OFF WHITE | 80.44 |

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