

## EchoPanel® Empire

**Designer:** Woven Image

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

### Composition & Pattern

**Composition** 100% PET (80% post-consumer recycled)

**Colours Available** 37

**Pattern Type** Precision Cut

### Dimensions & Weight

**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

**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

|                                                                      |                                                                                         |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>Noise Reduction Coefficient (NRC)</b>                             | Direct fix: 0.45                                                                        |
| <b>Result</b>                                                        |                                                                                         |
| <b>Sound Absorption Average (SAA)</b>                                | Direct fix: 0.43                                                                        |
| <b>Result</b>                                                        |                                                                                         |
| <b>Weighted Sound Absorption Coefficient (<math>\alpha_w</math>)</b> | Direct fix: 0.30 (MH)                                                                   |
| <b>Result</b>                                                        |                                                                                         |
| <b>Sound Absorption Class</b>                                        | D (Direct fix)                                                                          |
| <b>Additional Acoustic Information</b>                               | Noise reduction coefficient result key: H = High Frequency / MH = Mid to High Frequency |
| <b>Colour Fastness to Light Standard</b>                             | ISO 105 B02                                                                             |
| <b>Test Method</b>                                                   |                                                                                         |
| <b>Colour Fastness Light Rating</b>                                  | 6 – 7                                                                                   |
| <b>Light Reflectance Standard Test Method</b>                        | ASTM E1477-98A-2017                                                                     |
| <b>Light Reflectance Value</b>                                       | Luminous Reflectance Factors (see Tables 2.0 & 3.0 below for all tested colours)        |

## Sustainability

**VOC Emissions Results** ASTM D5116 - 2017: TVOC Emissions Rate: 0.033mg/m<sup>2</sup>/hr (24hrs); Formaldehyde Emissions Rate: 0.07mg/m<sup>2</sup>/hr. CDPH Standard Method v1.2 - 2017 (CA 01350): TVOC Emissions Rate: 0.013mg/m<sup>3</sup>; Formaldehyde Emissions Rate: <1µg/m<sup>3</sup>

### Sustainability Performance





Declare.



## 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.

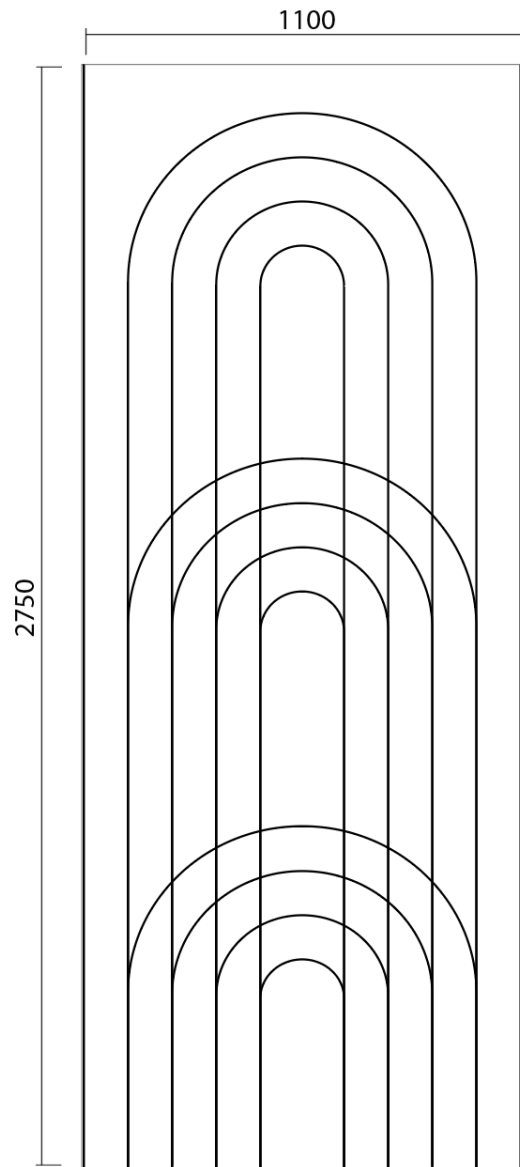
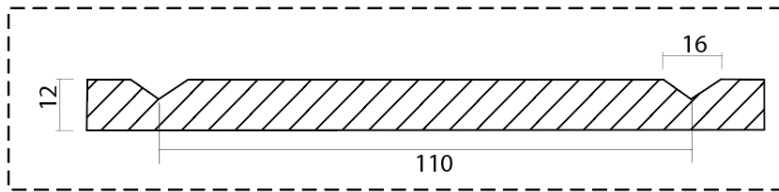


TABLE 2.0  
LUMINOUS REFLECTANCE (ASTM E1477-98A: 2017) ECHOPANEL® 12mm

| COLOUR CODE | COLOUR NAME | LUMINOUS REFLECTANCE FACTOR |
|-------------|-------------|-----------------------------|
| 542         | CHARCOAL    | 5.36                        |
| 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                       |
| 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         | DUCK EGG    | 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       | 62.07                       |
| 106         | BUTTER      | 69.31                       |
| 381         | LIME SPLICE | 69.31                       |
| 500         | OFF WHITE   | 80.44                       |

TABLE 3.0  
LUMINOUS REFLECTANCE (ASTM E1477-98A: 2017) ECHOPANEL® 24mm

| COLOUR CODE | COLOUR NAME | LUMINOUS REFLECTANCE FACTOR |
|-------------|-------------|-----------------------------|
| 550         | ONYX        | 2.76                        |
| 330         | IVY         | 7.30                        |
| 269         | WINE        | 7.34                        |
| 633         | PACIFIC     | 20.38                       |