

# ECHOPANEL<sup>®</sup> ARRAY

# INTRODUCTION

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Introducing **Array**; a design-led, fully scalable and easy to install acoustic ceiling solution from Woven Image.

Choose from 8 beautifully crafted baffle designs, made using our market leading **EchoPanel®** in both **12mm and 24mm** thicknesses, or work with us to create your own unique installation.

With a streamlined aluminium extrusion, Array has been carefully engineered for **easy installation**, allowing simple onsite tailoring and adjustment. Once the baffles are fitted to the extrusion, snap covers ensure baffles are equally spaced and prevent any lateral movement.

Array delivers **high acoustic performance** ratings, making it a design-driven solution for controlling reverberated noise in shared commercial spaces, including workplace, education and hospitality environments. Array meets the sound reducing requirements to secure points under WELL™ v2.

As leaders in **circular design**, Woven Image have developed Array with dematerialisation in mind. The system requires up to 60% less extrusion compared to most other baffle solutions on the market.

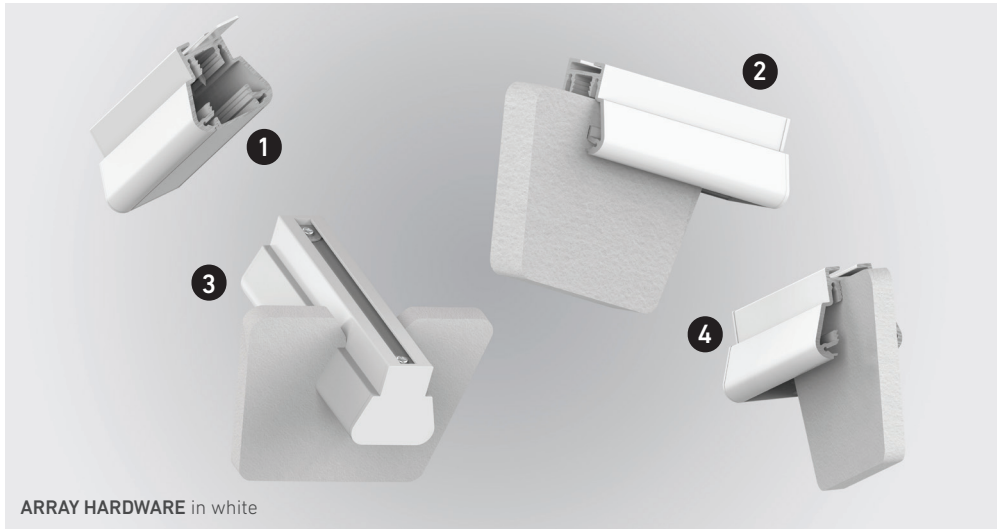
Made from EchoPanel®, the baffles utilise 60% recycled PET from single-use bottles. **Since 2014, Woven Image have upcycled over 256 million plastic bottles** that would otherwise have gone to landfill or polluted our waterways.

EchoPanel® achieves **Global GreenTag™** certification (GreenRate Level A), with the maximum Product Health Declaration™: Platinum Health. EchoPanel® is **Red List Free** and has published ingredient transparency with **Declare**.





# ARRAY INSTALLATION



ARRAY HARDWARE in white



ARRAY HARDWARE in black

## KEY

- 1 Hardware with inserted snap cover
- 2 24mm parallel installation
- 3 Standard snap fit for 12mm or 24mm perpendicular installation
- 4 12mm parallel installation



ARRAY TURRET 24mm in colourway #908



ARRAY CATHEDRAL 24mm in colourway #454



ARRAY VIADUCT 24mm in colourway #447



## PRODUCT RANGE

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Array can be directly fixed to ceilings, including an existing suspension drop in ceiling grids. It is also available to be used in both horizontal and vertical applications, allowing for a seamless finish from ceiling to wall.

The baffles are available in the extensive **colour palette** of the 12mm and 24mm EchoPanel® range. The extrusion comes in a standard black or white powder coat.

Fully **customisable** to suit your space; there is the ability to **mix and match any baffle design, colour and thickness** to create a truly unique ceiling installation.

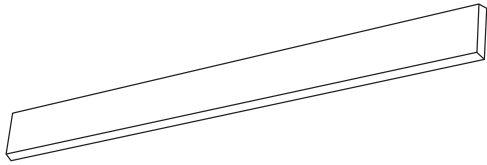
All baffle designs are inspired by our natural and built environment; from the subtle linear shapes of Beam, Wedge and Taper to the arc shapes of Cathedral, Turret, Valley, Viaduct and Wave.



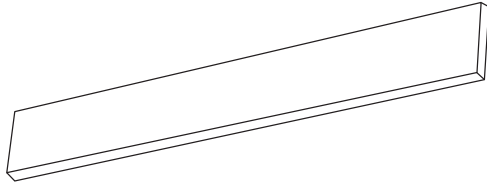
## PRODUCT RANGE

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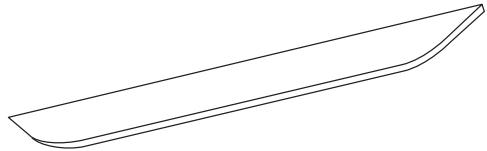
All baffle designs are 2400mm in length, and vary in depth, see each baffle design for depth measurements.



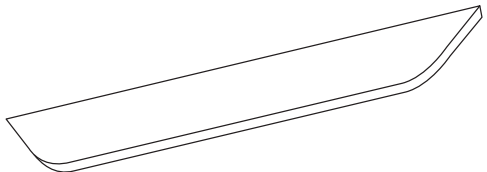
\*200mm depth



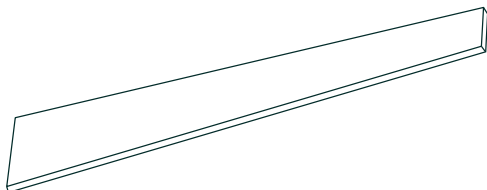
\*297mm depth



\*200mm depth



\*297mm depth

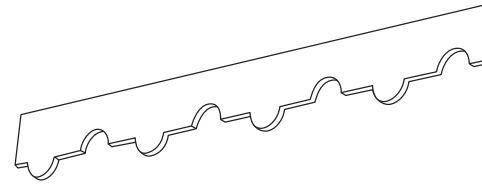


\*295mm depth

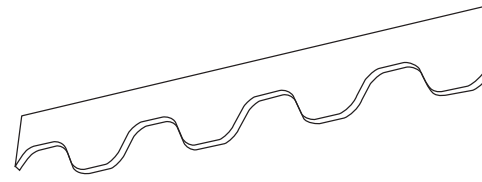
**BEAM** is a minimalist profile designed for a refined and subtle interior. There is the option to choose from 200mm or 297mm baffle depth.

**WEDGE** is robust, yet simple, giving a point of interest and detail that will compliment a tailored interior. There is the option to choose from 200mm or 297mm baffle depth.

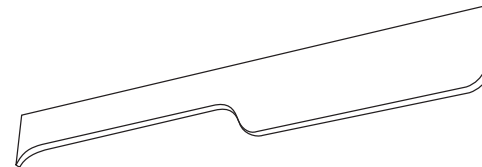
**TAPER** offers an elegant way to bring shape and dynamic elements to a ceiling project, whilst also incorporating an acoustic performance element.



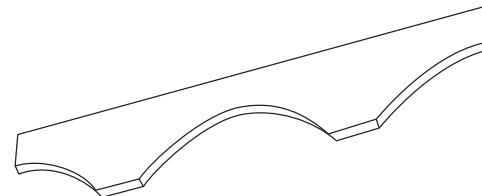
\*295mm depth



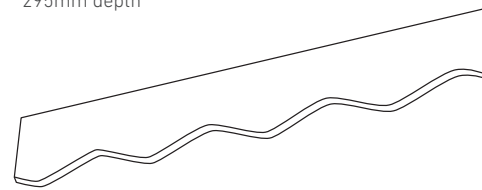
\*295mm depth



\*280mm depth



\*295mm depth



\*267mm depth

**CATHEDRAL** is a celebration of rounded crescent shapes that create a decorative yet sophisticated design.

**TURRET** adds more compressed texture to a ceiling project with tighter and compact curves to work perfectly with various colourways.

**VALLEY**, as the name suggests, flows between heights to create an interplay between vertical elements and creates the opportunity for texture on an architectural scale.

**VIADUCT** is inspired by the architectural features of ancient Roman archways, these baffles make for a timeless statement ceiling.

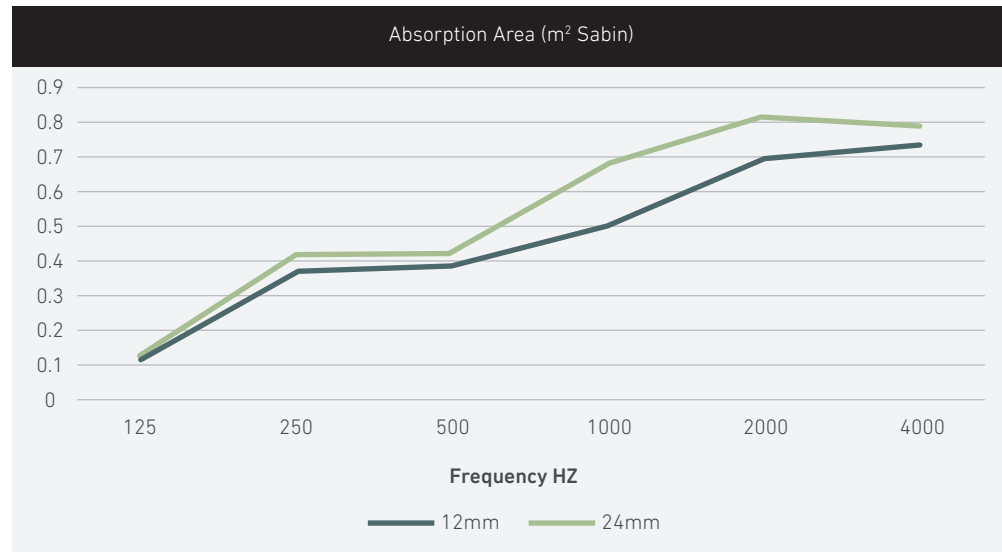
**WAVE** can infuse spaces with various moods and characteristics reminiscent of ocean waves or desert sand dunes.



# PRODUCT PERFORMANCE

## SOUND ABSORPTION

Tested in accordance with AS ISO 354: 2006 (R2016) and sound performance indices calculated in accordance with AS ISO 11654: 2002 (R2016), with NRC and SAA defined by ASTM C423 - 17. Testing is based on a 300mm spacing between each baffle. CSIRO test report number is AC283 - 01A - 1 and AC283 - 08A - 1.



| Baffle Dimensions mm   | o.d.s* mm | Absorption Area (m² Sabin) |        |        |         |         |         | Performance Indices |       |      |      |
|------------------------|-----------|----------------------------|--------|--------|---------|---------|---------|---------------------|-------|------|------|
|                        |           | 125 Hz                     | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | αw                  | Class | SAA  | NRC  |
| 2400 x 300 x 12mm c300 | 300       | 0.14                       | 0.39   | 0.42   | 0.53    | 0.72    | 0.77    | 0.65 (H)            | C     | 0.68 | 0.70 |
| 2400 x 300 x 24mm c300 | 300       | 0.15                       | 0.44   | 0.46   | 0.70    | 0.85    | 0.83    | 0.75 (MH)           | C     | 0.83 | 0.85 |

\*o.d.s = overall depth of system

For additional specifications and performance details please visit [wovenimage.com](http://wovenimage.com)

## FIRE TEST

ISO 9705: Group 1  
 ASTM E84 Unadhered: Class 2 or B (24mm tested)  
 BS EN 13501.1: Classification B – s1, d0

## EMISSIONS

EchoPanel® 12mm achieves:  
 ASTM D5116: TVOC Emissions Rate: <0.02mg/m²/hr (7 days)  
 CDPH Standard Method v1.2: TVOC Emissions Rate: <0.054mg/m³  
 CDPH Standard Method v1.2: Formaldehyde Emissions Rate: <2µg/m³



## COMPOSITION

Baffle: 100% PET (60% post-consumer recycled)  
 Hardware: Powder coated aluminium alloy 6060



Main ceiling in **ARRAY WAVE** 24mm in colourways #542, #442, #500 & #101  
 Mezzanine ceiling in **ARRAY VALLEY** 12mm in colourways #274, #124, #487 & #269  
 Walls in **ZEN** colourways #124, #487 & #269



WOVEN IMAGE®