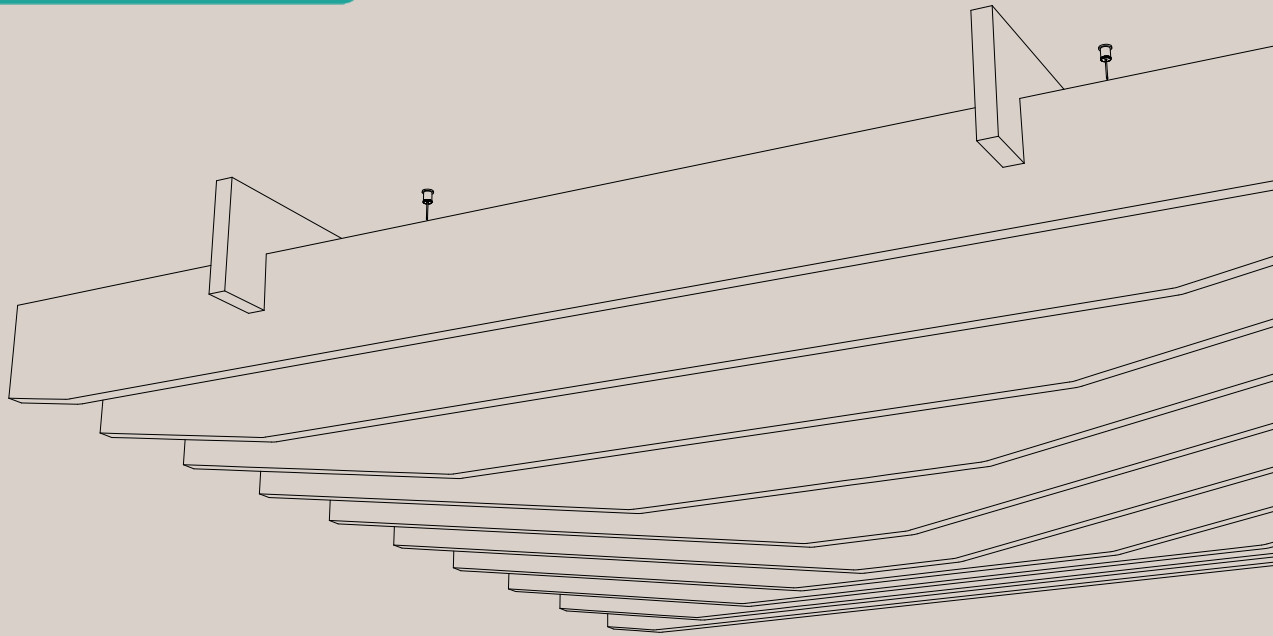


**IMPACT ACOUSTIC®**



**HABITAT  
MATTER**

habitatmatter.com  
spec@habitatmatter.com



# Peak Ceiling Baffle

712.24.13.000.00

TECHNICAL DATA SHEET

# Peak

## Ceiling Baffle

### Article number

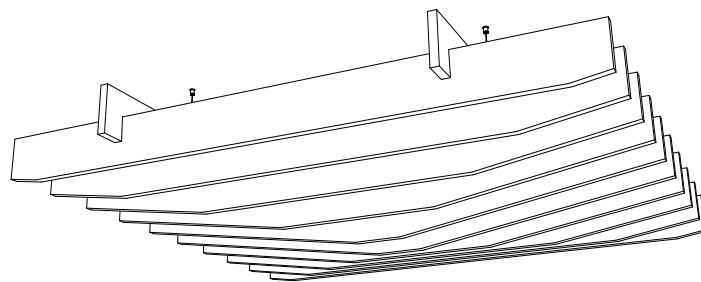
712.24.13.000.00

### Dimensions

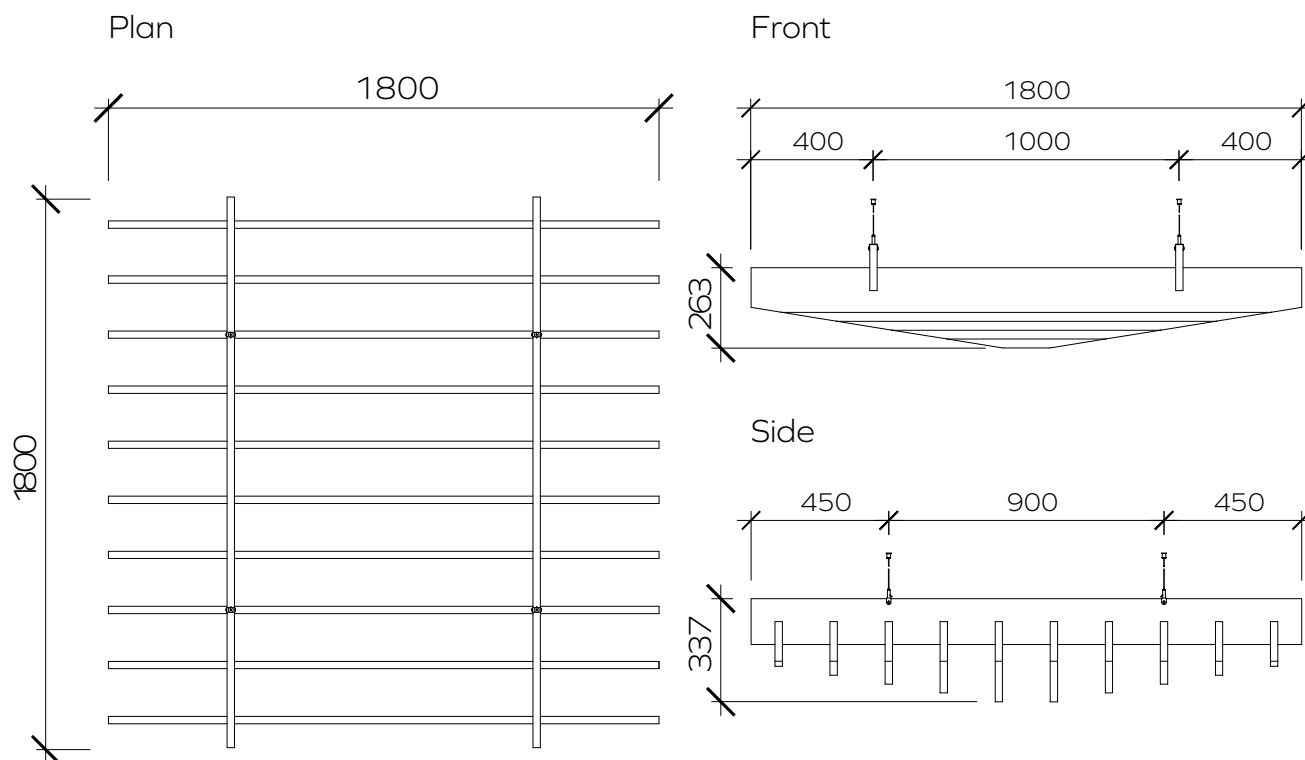
Length	1800mm	70.86"
Width	1800mm	70.86"
Thickness	24mm	0.94"

### Information

incl. suspension kit



Suspension Kit  
Curtain 24mm





# Peak

## Ceiling Baffle

### Acoustic Technical Specifications

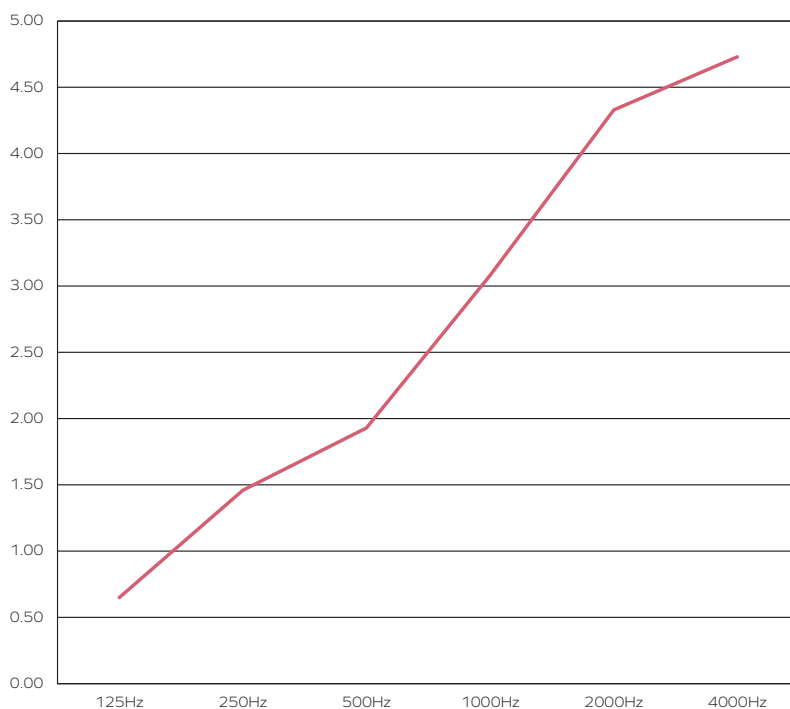
#### Peak Ceiling Baffle 24mm

Frequency (Hz)	125	250	500	1000	2000	4000
Ceiling Baffle 24mm (20mm cavity)	0.65	1.46	1.93	3.08	4.33	4.73

#### Sound Absorption Coefficient ( $\alpha_s$ ) according to EN ISO 354 Universität Stuttgart – Institut für Akustik und Bauphysik IABP



University of Stuttgart  
Germany



***“Baffles guarantee the best absorption and diffusion of all sound waves if you consider a spacing of 20cm in between the fins. But don’t bring your surf-board to the office thinking you can rule those waves.”***

– Daniel Verlooven,  
Global Acoustic Ambassador

● Ceiling Baffle 24mm (20mm cavity)

The graph represents the sound absorption coefficients ( $\alpha_s$ ) in the third octave band center frequencies. Measurement used Pink Noise as excitation signal in a reverberant room.

# ARCHISONIC®

## Colours

### Quiet Neutrals

12mm & 24 mm

These shades work in harmony with natural textural materials and soften industrial environments. From light to dark and cool to warm, these are the foundations of any scheme where longevity and a mood of calm is desired.



### Warm Naturals

12mm & 24 mm

Combinations of lighter toned neutrals and pinks have a gently soothing and restorative effect while the more saturated hues make perfect environments for relaxation.



# ARCHISONIC®

## Colours

### Living Greens

12mm & 24 mm

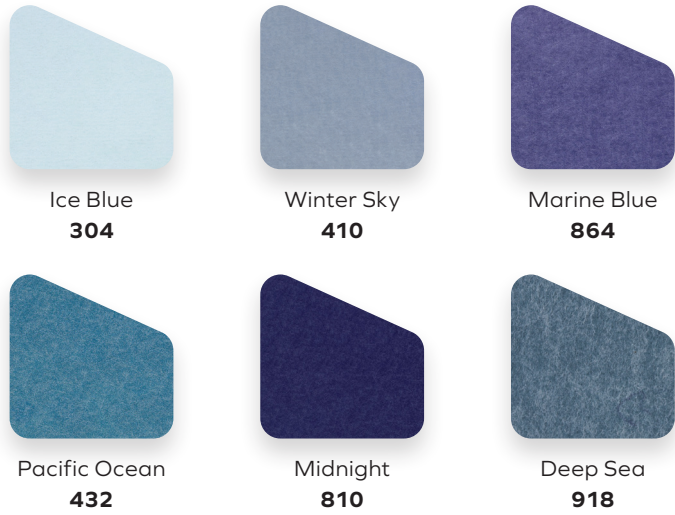
From the cool greens of forests to the yellowed aspect of young wheat, we see Living Greens breathing life into indoor spaces, and an essential palette for the future. Use in tonal layers brings the depth and diversity of green, while a single note can provide an amplifying backdrop to a biophilic space.



### Elemental Blues

12mm & 24 mm

These blues work perfectly both as familiar single hues and in effortless tonal layers to create an immersive environment for focus or restoration.



# ARCHISONIC®

## Colours

### Soothing Pastels

12mm & 24 mm

With tonal duos of pink and blue and green, this perfectly balanced group is designed for peaceful plays on light and shade and playful contrast. While the lightest tones have a dreamlike quality, their deeper counterparts add a subtle grounding.



Shell Pink  
102



Soft Coral  
516



Ice Blue  
304



Winter Sky  
410



Spearment  
706



Succulent  
712

### Elegant Darks

12mm & 24 mm

While colour can create a mood, it is the depth or lightness of a hue that truly defines the emotion. While each hue has the strength to stand alone, beautiful effects can be achieved with harmonized pairs.



Garnet  
724



Marine Blue  
864



Midnight  
810



Nordic Pine  
311



Raven  
550

# ARCHISONIC®

## Colours

### Energetic Brights

12mm & 24 mm

There are no rules here with endless possibilities for clashing contrasts or surprising highlights. For a sophisticated use of energetic colour, take a single hue and colour match contrasting textiles and solid surfaces.



Pacific Ocean  
432



Moss  
439



Sunshine  
846



Electric Orange  
464



Hot Pink  
140

### Primary Play

12mm & 24 mm

The primary story happens when all three main colours are used together, with varied proportions creating differing moods. As with the Energetic Brights palette, combine with coordinating-coloured textiles and solid surfaces.



Snow White  
500



Charcoal  
542



Sunshine  
846



Poster Red  
662



Marine Blue  
864

# ARCHISONIC® Material



HABITAT  
MATTER

habitatmatter.com  
spec@habitatmatter.com

## Composition

100% PET (60% certified post-consumer content)

## Material Reutilisation

**24mm**

88 PET bottles/m<sup>2</sup>

**12mm**

53 PET bottles/m<sup>2</sup>

## Density

**24mm**

4000 g/m<sup>2</sup> (+/-10%)

**12mm**

2400 g/m<sup>2</sup> (+/-10%)

## Dimensions Raw Panels

**24mm**

1800 x 2400 x 24mm

70" x 94" x 0.94" (+/-7%)

**12mm**

1200 x 2800 x 12mm

47" x 110" x 0.47" (+/-7%)

## Fire Test

**B-s1, d0**

DIN EN 13501-1

**Class A**

ASTM E84

## VOC Emission

**A+**

28 Days French Regulation

**Pass**

14 Days CDPH/EHLB



## Care Instructions

PET fibres do not provide a breeding ground for bacteria and other germs. The dyed-through fibres do not bleach out even when using aggressive cleaning agents and disinfectants. Alcohols, aldehydes or active chlorine can be used for cleaning.

For daily cleaning we recommend alcohol solution (75%), e.g. Pantasept. In case of contamination by dust or fluff, use feather duster or a regular vacuum cleaner. For heavy dirt, treat the material with hydrogen peroxide.

# Declare.

**ARCHISONIC®**  
**Impact Acoustic AG**

**Final Assembly:** Lucerne, Switzerland

**Life Expectancy:** 30 Year(s)

**End of Life Options:** Salvageable/Reusable in its Entirety, Take Back Program, Recyclable (98.5%)

### Ingredients:

**PET:** Polyethylene Terephthalate; **Phosphorus flame retardant:** Phosphorus; **N, N'-Ethylene bis(stearamide):** Octadecanamide, N,N'-1,2-ethanediylbis-; **Stearic acid:** Stearic Acid; **Titanium dioxide:** Titanium dioxide

**Living Building Challenge Criteria:** Compliant

### I-13 Red List:

☒ LBC Red List Free % Disclosed: 100% at 100ppm  
☐ LBC Red List Approved VOC Content: Not Applicable  
☐ Declared

**I-10 Interior Performance:** CDPH Standard Method v1.2-2017

**I-14 Responsible Sourcing:** Not Applicable

IMA-0001  
EXP. 01 AUG 2023  
Original Issue Date: 2022

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY  
INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](https://living-future.org/declare)



HABITAT  
MATTER

habitatmatter.com  
spec@habitatmatter.com

# *#We MakeAn Impact*

connect@impactacoustic.com | www.impactacoustic.swiss