IMPACT ACOUSTIC®

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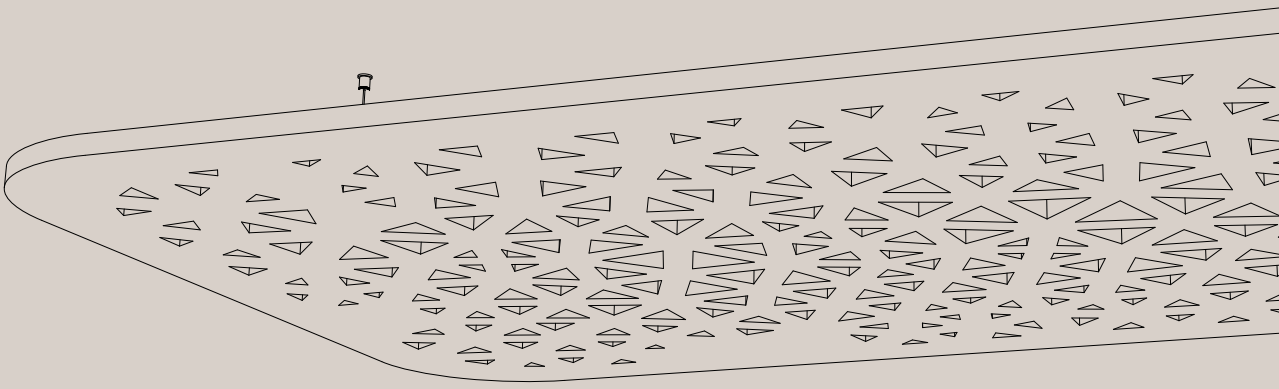


# Web and Bubbles

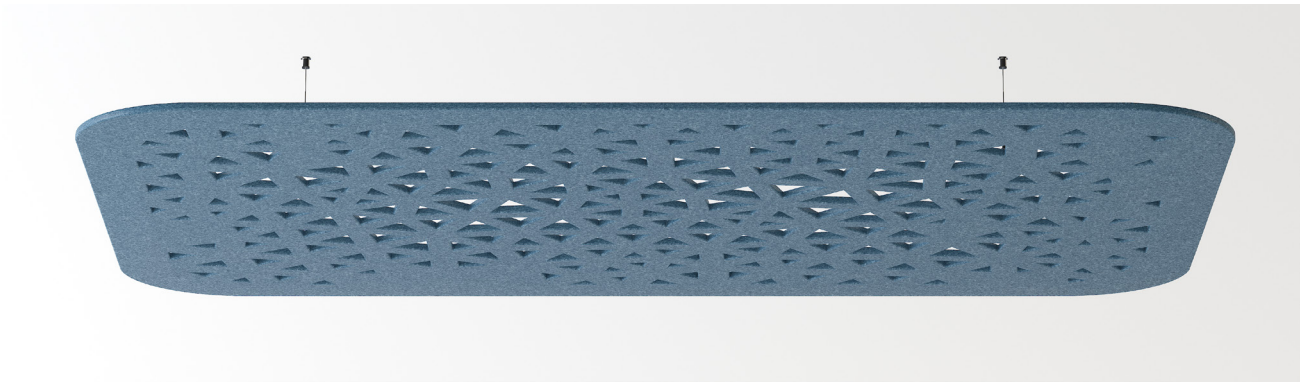
## Rectangle Ceiling Panels

711.24.14.000.10
711.24.14.000.12

TECHNICAL DATA SHEET

# Web and Bubbles Rectangle Ceiling Panels

## General Information



## Data

**Applicable article numbers**

711.24.14.000.10 711.24.14.000.12

**Dimensions[1]**

| | | |
|---|---|---|
| Width | 1800mm | 70.87″ |
| Length | 2400mm | 94.49″ |
| Material thickness | 24mm | 0.94″ |

Custom solutions available

**Material**

| | |
|---|---|
| Panel | 100% PET (60% post-consumer) in 32 colors. |
| Frame *(option)* | Stainless steel |

Extended document available

**Weight[2]**

| | | |
|---|---|---|
| 24mm PET Material | 4kg/$m^2$ kg (±10%) | 0.82 lbs/$ft^2$ (±10%) |

*(for specific product weight please refer to Geometry Information pages 6-14)*

## Included

| Ceiling Panel | Installation Kit | Installation guide | Warranty 2 years[3] |
|---|---|---|---|

1 - all dimentions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

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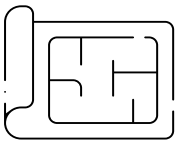
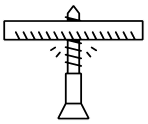
# Web and Bubbles Rectangle Ceiling Panels
## Specification Guide

Ensure you make the perfect choice by choosing our solutions for your next project. To get started, simply define some basic information and constraints about your space. Then explore our range of standard solutions or contact us directly for a more in-depth discussion of personalised customized options.

### 1 Prepare this information:

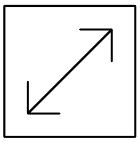


Ceiling Plans (RCP)



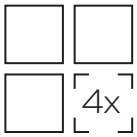
Ceiling Type

### 2 Specify your Baffles:



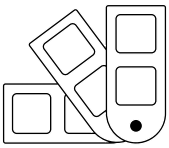
Size

page 5 and 6




Number of Modules

page 4



Color

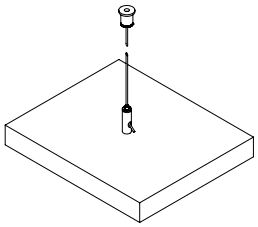
page 8



Pattern

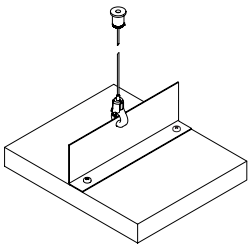
page 8

### 3 Verify installation method:



Direct gripper

page 7



Profile and clip

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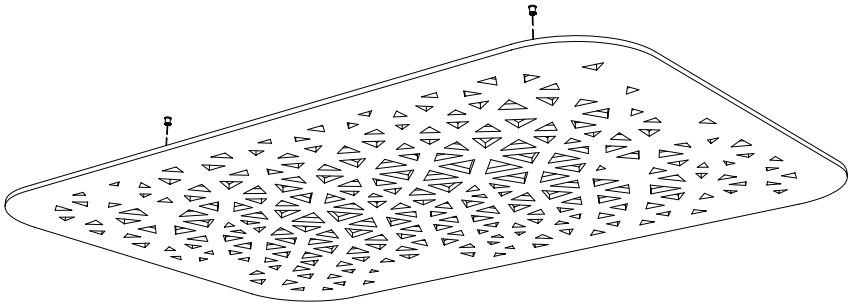
# Web and Bubbles Rectangle Ceiling Panels
## Product Family Overview

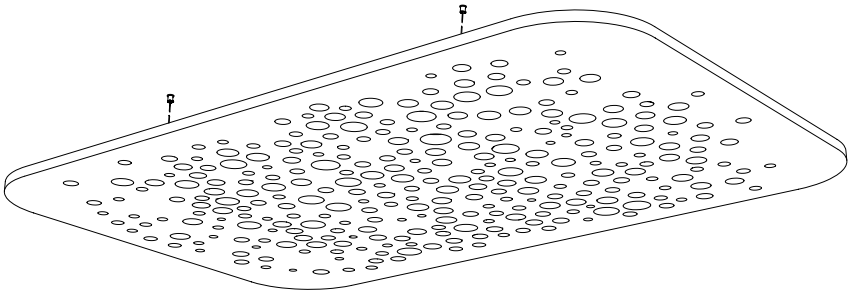
### 3 Ceiling Panels Perforated

**711.24.14.000.10** - Ceiling Panel Rectangle Web



(W1800 L2400)
(W70.87" L94.49")

**711.24.14.000.12** - Ceiling Panel Rectangle Bubbles



(W1800 L2400)
(W70.87" L94.49")

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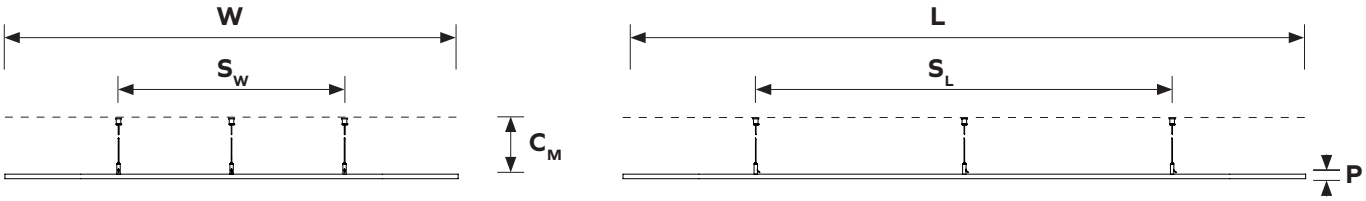
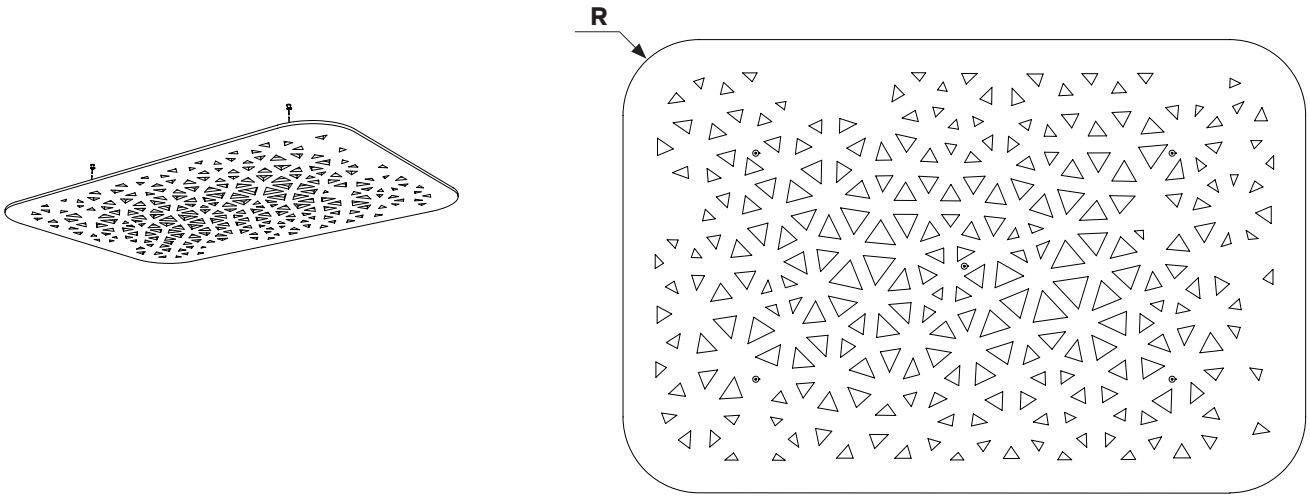
# Web and Bubbles Rectangle Ceiling Panels

## Geometry Information

## Ceiling Panel Rectangle Web 711.24.14.000.10




**Dimensions table** [1]

| | | | |
|---|---|---|---|
| **W** | Total width | 1195mm | 47.05” |
| **L** | Total length | 1800mm | 70.87” |
| **$C_M$** | Distance from ceiling | min. 100mm | min. 4” |
| **$S_W$** | Support spacing W | 585mm | 23.03” |
| **$S_L$** | Support spacing L | 900mm | 35.43” |
| **P** | PET material thickness | 24mm | 0.94” |

**Weight table** [2]

| | | | |
|---|---|---|---|
| | PET panel | 7.52 kg | 16.58 lbs |

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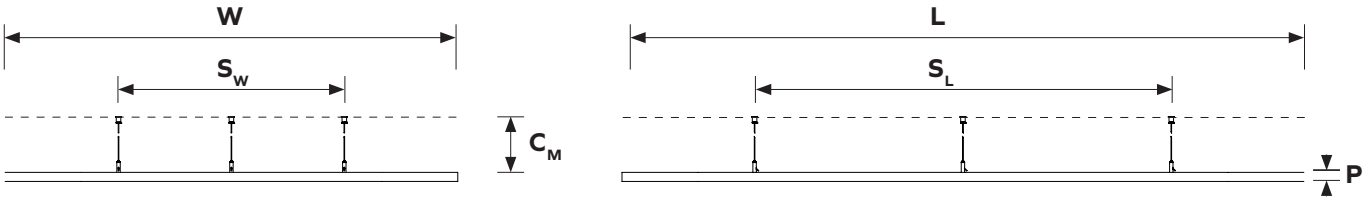
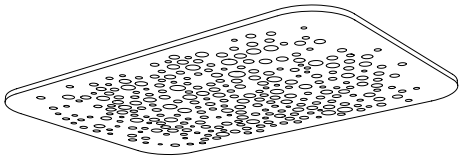
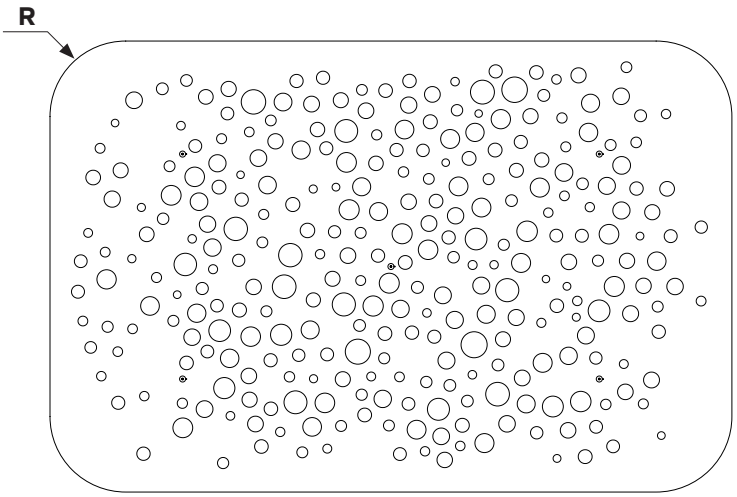
# Web and Bubbles Rectangle Ceiling Panels

## Geometry Information

## Ceiling Panel Rectangle Bubbles 711.24.14.000.12






**Dimensions table** [1]

| | | | |
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| **P** | PET material thickness | 24mm | 0.94” |

**Weight table** [2]

| | | | |
|---|---|---|---|
| | PET panel | 6.8 kg | 15.00 lbs |

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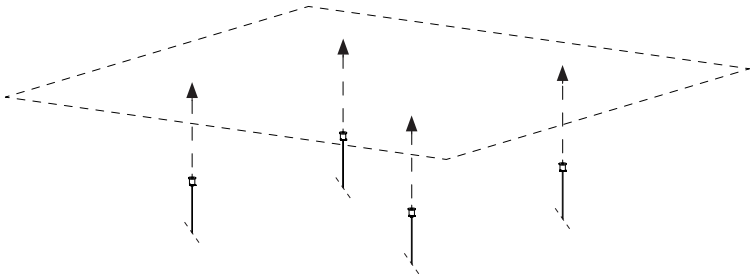
# Web and Bubbles Rectangle Ceiling Panels

## Installation Overview

### 1 Attach mounting hardware

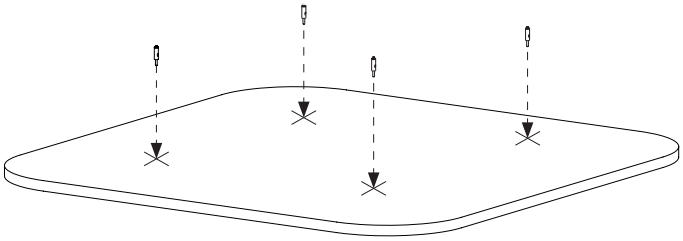
Measure the right spacing according to the X marks on the panel and attach mounting cables to the ceiling.





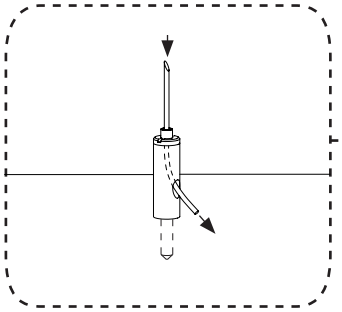
### 2 Attach grippers to the panel

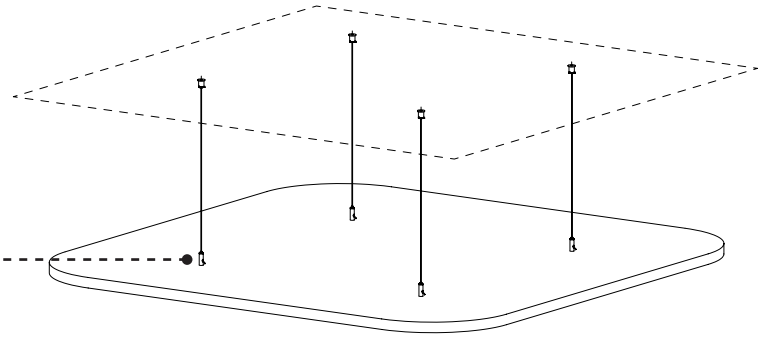
Screw the cable brippers into the panel at the locations indicated by X mark on the panel back surface.



### 3 Connect cables

Pull suspension cables through Grippers and adjust the cable length.





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# ARCHISONIC®
# Colors

Material brochure available

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Name** | Snow White | Milk | Cloud | Smoke | Ground | Charcoal | Slate | Raven |
| **Color Code** | **500** | **404** | **103** | **442** | **108** | **542** | **444** | **550** |
| **NCS Code** | S 0300-N | S 0502-Y | S 1002-B | S 3005-R80B | S 5005-Y20R | S 7502-B | S 4500-N | S 8500-N |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Name** | Nordic Pine | Grove | Moss | Spearmint | Ice Blue | Succulent | Deap Sea | Marine Blue |
| **Color Code** | **311** | **317** | **439** | **706** | **304** | **712** | **918** | **864** |
| **NCS Code** | S 5030-G10Y | S 7020-G30Y | S 2040-G40Y | S 1010-B90G | S 0510-B | S 3020-B30G | S 5020-R90B | S 4050-R70B |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Name** | Linen | Shell Pink | Jute | Warm Stone | Terracotta | Soft Coral | Honeycomb | Sunshine |
| **Color Code** | **107** | **102** | **920** | **105** | **239** | **516** | **139** | **846** |
| NCS Code | S 1505-Y30R | S 0510-R30B | S 3010-Y30R | S 3010-Y50R | S 4040-Y70R | S 2020-Y90R | S 2050-Y20R | S 1040-Y10R |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Name** | Garnet | Hot Pink | Poster Red | Electric Orange | Winter Sky | Pacific Ocean | Midnight | Grape |
| **Color Code** | **724** | **140** | **662** | **464** | **311** | **311** | **810** | **540** |
| NCS Code | S 5040-R10B | S 2060-R20B | S 1080-R | S 0580-Y70R | S 5030-G10Y | S 5030-G10Y | S 7020-R70B | **S 5040-R40B** |

These NCS codes are the closest visual match available and may not be exact to blended fibres.

ARCHISONIC®

## Colors

Experience our ARCHISONIC® Felt material with a stunning selection of 32 colors across 8 distinct families, thoughtfully curated by *Colour Hive* in London. Effortlessly combine colors harmoniously to suit your preferences. Discover more in our Materials brochure and order your free sample box today.

## Color fastness

**Class 6**

ISO 105-B02:A1

## Order a free sample box



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# **ARCHI**SONIC®
# Material Specification

| | | |
|---|---|---|
| **Product Name** | Archisonic® Felt | |
| **Content** | 100% PET (60% certified post-consumer content) | |
| **Thickness**[1] | 12mm (0.47") | 24mm (0.94") |
| **Max. Size** | 1200x2800mm (47"x110") | 1800x2400mm (70"x94") |
| **Acoustic**[2] | **ASTM:** NRC=0.6 **ISO**: αw=0.65 | **ASTM**: NRC=0.9 **ISO**: αw=0.95 |
| **Density**[1] | 2400 g/m² (0.49 lbs/ sqft) | 4000 g/m² (0.82 lbs/sqft) |
| **Color Fastness** | **Class 6** ISO 105-B02:A1 | |
| **Color** | **32 colors** (see Archisonic® Felt Color page for more information) | |
| **Maintenance** | 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. | |
| **Lead time**[3] | 21 days | |
| **Fire Rating** | DIN EN 13501-1: **B-s1, d0** | ASTM E84 **Class A** |
| **VOC Emission** | **A+** 28 Days French Regulation | ASTM E84 **Pass** |
| **Certifications** | Declare label, Cradle to Cradle, UL Environmental Product Declaration, Member of US Green Building Council, Ecobau 1st Priority, Climmate-KIC, VOC emissions in LEED EQ credit (low-emitting products), Breeam, SCS Recycled Content | |
| **Durability** | Contract | |

1 - all values are nominal  2 - measured with 300mm air cavity  3 - depending on the location and type of product

Climate-KIC is supported by the EIT, a body of the European Union

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# Web and Bubbles Rectangle Ceiling Panels
## Acoustic Performance

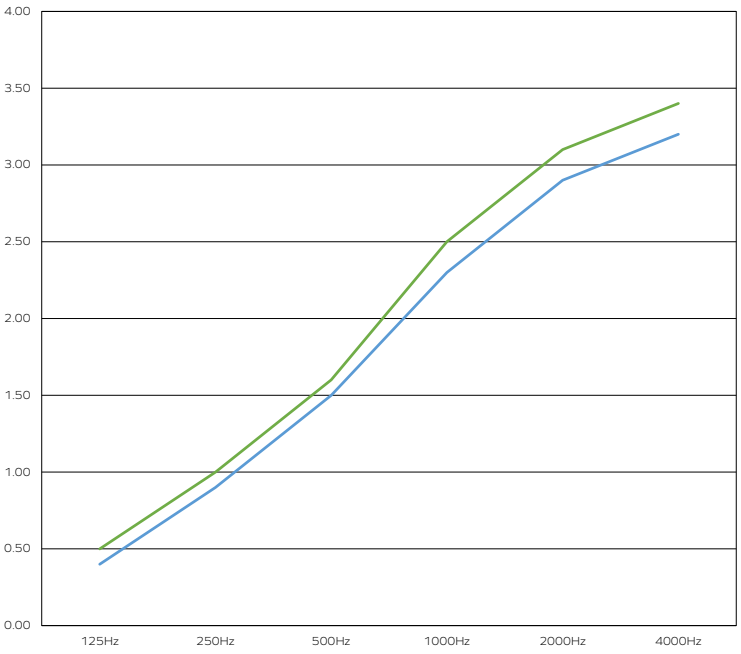
University of Stuttgart
Germany

### Testing Standards

| | |
|---|---|
| ISO 354:2003 | Acoustics — Measurement of sound absorption in a reverberation room |
| ISO 11654:1997 | Acoustics — Sound absorbers for use in buildings — Rating of sound absorption |
| ISO 20189:2018 | Acoustics — Screens, furniture and single objects intended for interior use — Rating of sound absorption and sound reduction of elements based on laboratory measurements |
| ASTM C423-17 | Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method |
| ASTM E795-16 | Standard Practices for Mounting Test Specimens During Sound Absorption Tests |

### Acoustic Test Results ISO

| Frequency (Hz) | | 125 | 250 | 500 | 1000 | 2000 | 4000 | αw |
|---|---|---|---|---|---|---|---|---|
| 24mm RECTANGLE BUBBLES 1800mm x 1200mm | $m^2$ | 0.4 | 0.9 | 1.5 | 2.3 | 2.9 | 3.2 | NA |
| 24mm RECTANGLE WEB 1800mm x 1200mm | $m^2$ | 0.5 | 1.0 | 1.6 | 2.5 | 3.1 | 3.4 | NA |




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

| Acoustic Test Results ASTM | NRC |
|---|---|
| 24mm RECTANGLE BUBBLES 1800mm x 1200mm | 0.55 |
| 24mm RECTANGLE WEB 1800mm x 1200mm | 0.55 |

- 24mm RECTANGLE BUBBLES 1800mm x 1200mm
- 24mm RECTANGLE WEB 1800mm x 1200mm

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# Ceiling Panels

## Reference Projects





