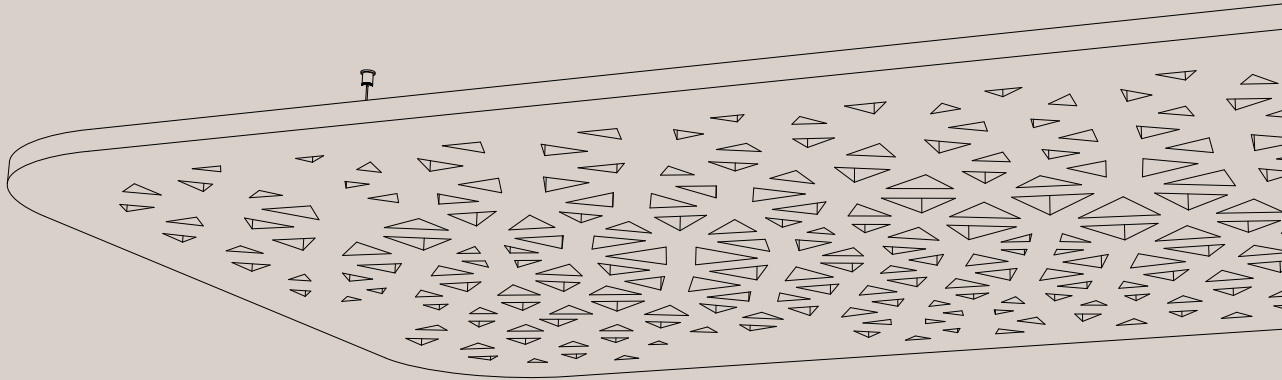


IMPACT ACOUSTIC®



Web and Bubbles

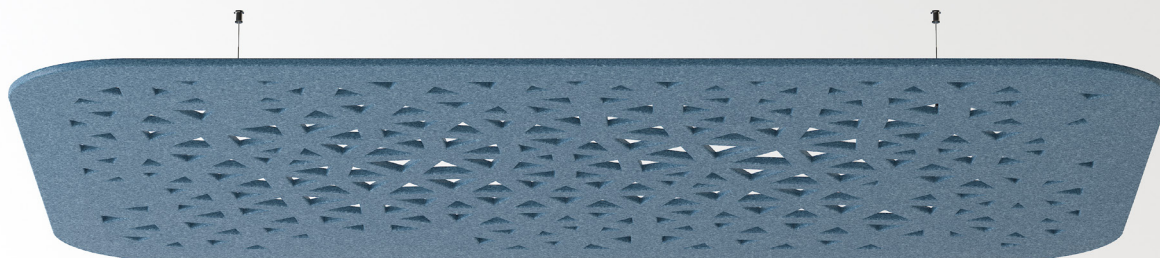
Rectangle Ceiling Panels

711.24.14.000.10
711.24.14.000.12

TECHNICAL DATA SHEET

Web and Bubbles Rectangle Ceiling Panels

General Information



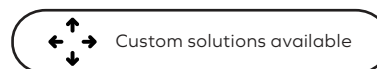
Data

Applicable article numbers

711.24.14.000.10 711.24.14.000.12

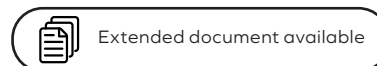
Dimensions¹

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



Material

| | |
|-----------------------|---|
| Panel | 100% PET (60% post-consumer) in 36 colours. |
| Frame <i>(option)</i> | Stainless steel |



Weight²

24mm PET Material 4kg/m² kg (±10%) 0.82 lbs/ft² (±10%)

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

Included

Ceiling Panel



Installation Kit



Installation
guide



Warranty
10 years³



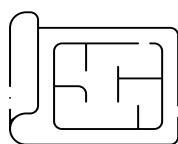
1 - all dimensions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

Web and Bubbles Rectangle Ceiling Panels

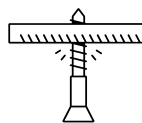
Specification Guide

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:

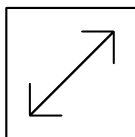


Ceiling Plans (RCP)



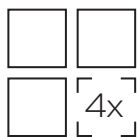
Ceiling Type

2 Specify your Baffles:



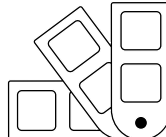
Size

page 5 and 6



Number of Modules

page 4



Colour

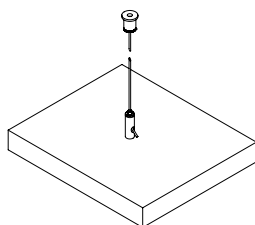
page 8



Pattern

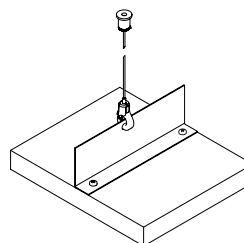
page 8

3 Verify installation method:



Direct gripper

page 7



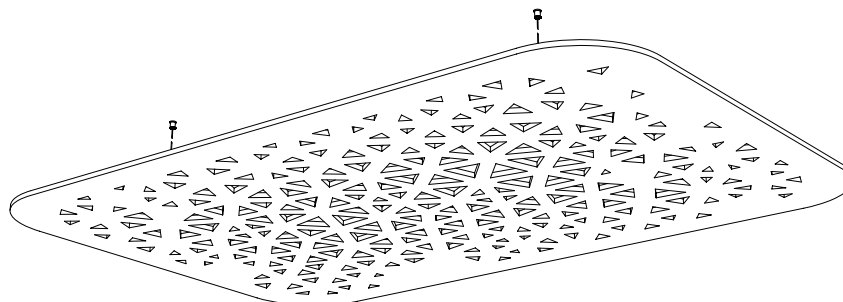
Profile and clip

Web and Bubbles Rectangle Ceiling Panels

Product Family Overview

3 Ceiling Panels Perforated

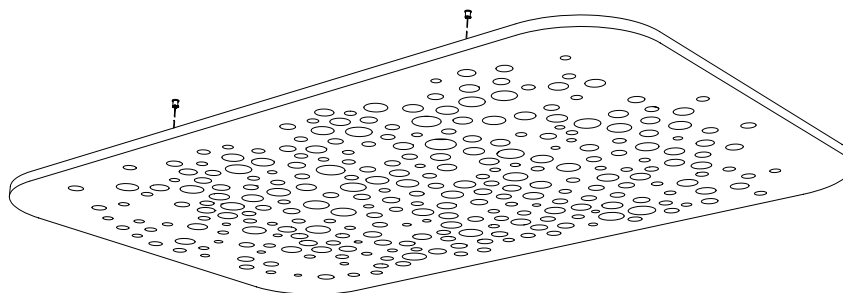
711.24.14.000.10 - Ceiling Panel Rectangle Web



(W1800 L2400)

(W70.87" L94.49")

711.24.14.000.12 - Ceiling Panel Rectangle Bubbles



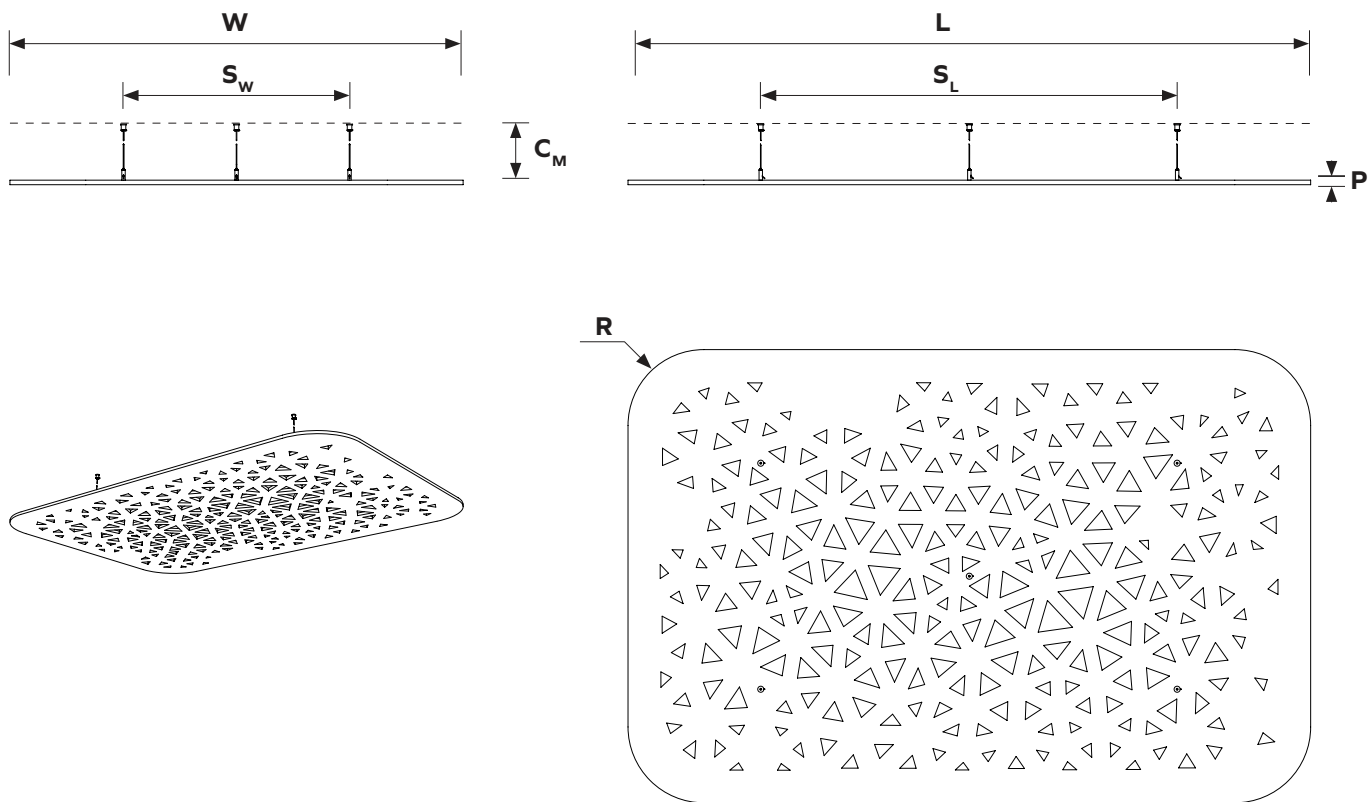
(W1800 L2400)

(W70.87" L94.49")

Web and Bubbles Rectangle Ceiling Panels

Geometry Information

Ceiling Panel Rectangle Web 711.24.14.000.10



Dimensions table¹

| | | | |
|----------------------|------------------------|------------|---------|
| 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 table²

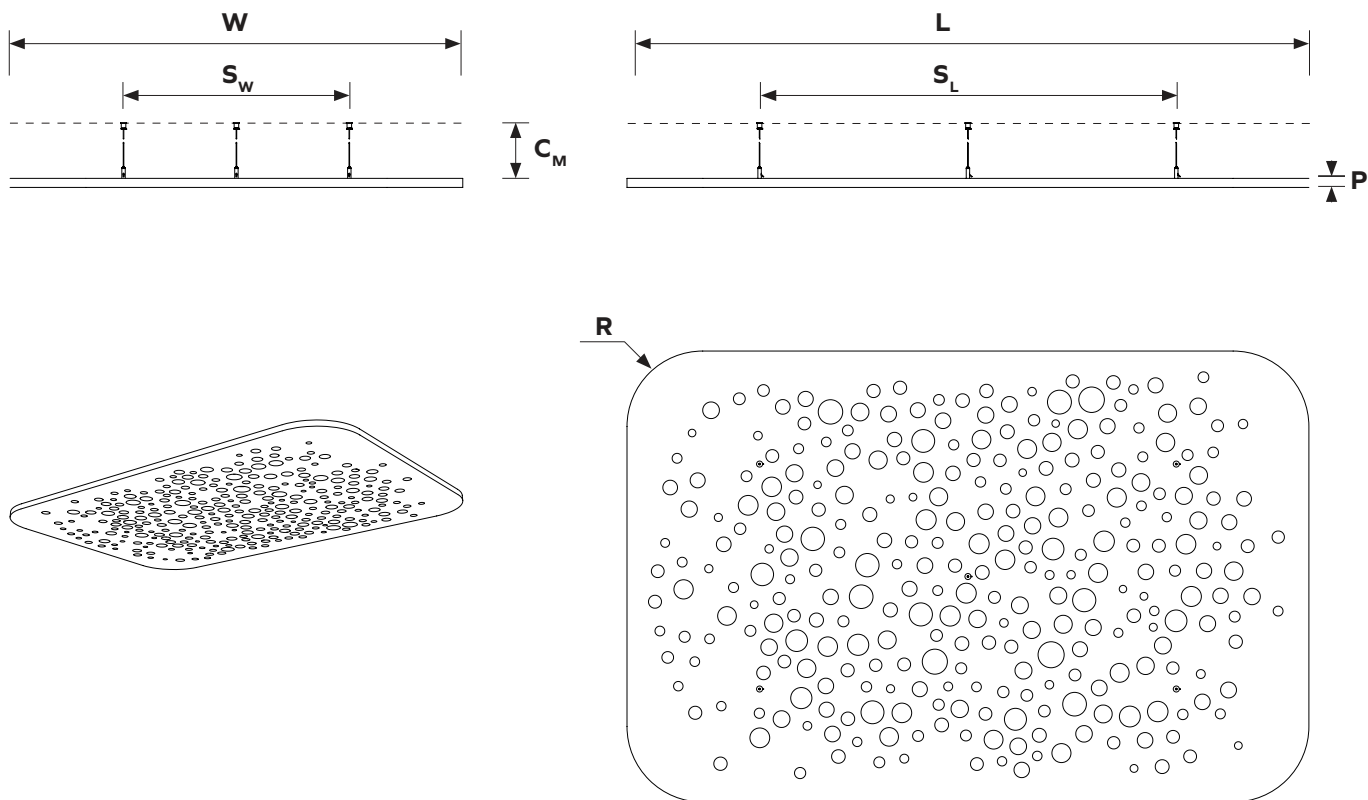
| | | |
|-----------|---------|-----------|
| PET panel | 7.52 kg | 16.58 lbs |
|-----------|---------|-----------|

1 - all dimensions are nominal 2 - all weight values are nominal

Web and Bubbles Rectangle Ceiling Panels

Geometry Information

Ceiling Panel Rectangle Bubbles 711.24.14.000.12



Dimensions table¹

| | | | |
|----------------------|------------------------|------------|---------|
| 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 table²

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

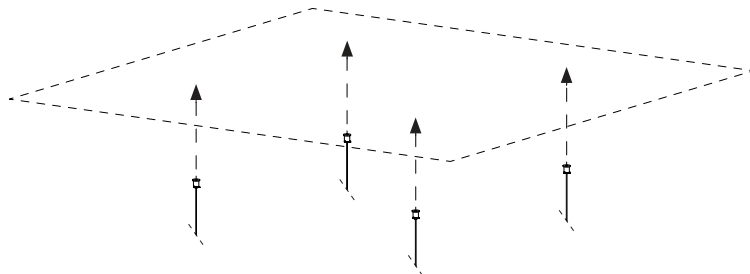
1 - all dimensions are nominal 2 - all weight values are nominal

Web and Bubbles Rectangle Ceiling Panels

Installation Overview

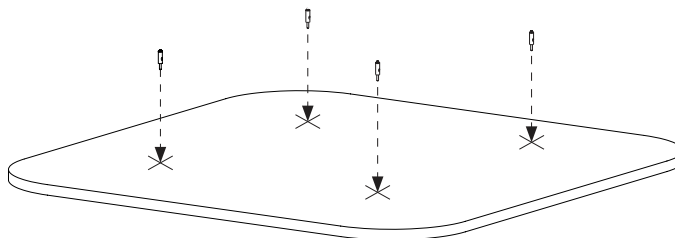
1 Attach mounting hardware

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



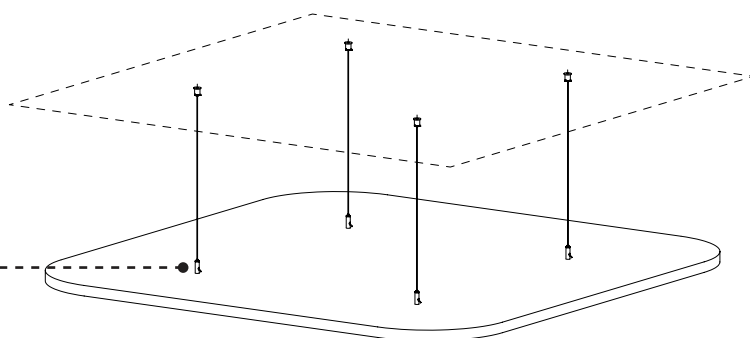
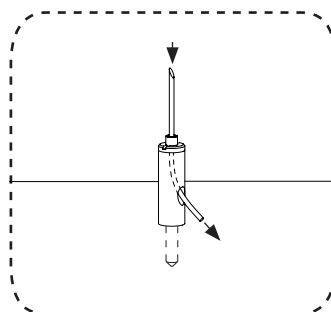
2 Attach grippers to the panel

Screw the cable grippers 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.












ARCHISONIC® Felt Colours

 Material brochure available

| | | | | | | | | | |
|---|---|---|---|---|--|---|---|---|----------|
|  |  |  |  |  |  |  |  |  | |
| Name | Snow White | Milk | Cloud | Gull | Smoke | Ground | Charcoal | Slate | Raven |
| Code | 500 | 404 | 103 | 144 | 442 | 108 | 542 | 444 | 550 |
| NCS | S 0300-N | S 0502-Y | S 1002-B | S2502-Y | S 3005-R80B | S 5005-Y20R | S 7502-B | S 4500-N | S 8500-N |

| | | | | | | | | | |
|---|---|---|---|---|--|---|---|---|-----------|
|  |  |  |  |  |  |  |  |  | |
| Name | Nordic Pine | Grove | Fern | Moss | Spearmint | Ice Blue | Succulent | Deep Sea | True Navy |
| Code | 311 | 317 | 180 | 439 | 706 | 304 | 712 | 918 | 194 |
| NCS | S 5030-G10Y | S 7020-G30Y | S6010-G90Y | S 2040-G40Y | S 1010-B90G | S 0510-B | S 3020-B30G | S 5020-R90B | S8005-B |

| | | | | | | | | | |
|---|---|---|---|---|--|---|---|---|-------------|
|  |  |  |  |  |  |  |  |  | |
| Name | Lichen | Linen | Shell Pink | Jute | Warm Stone | Terracotta | Soft Coral | Honeycomb | Sunshine |
| Code | 160 | 107 | 102 | 920 | 105 | 239 | 516 | 139 | 846 |
| NCS | S4005-Y | 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 | Marine Blue |
| Code | 724 | 140 | 662 | 464 | 410 | 432 | 810 | 540 | 864 |
| NCS | S 5040-R10B | S 2060-R20B | S 1080-R | S 0580-Y70R | S 2020-R90 B | S 3040-B | S 7020-R70B | S 5040-R40B | S 4050-R70B |

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

ARCHISONIC®

Colours

Experience our ARCHISONIC® Felt material with a stunning selection of 36 colours across 8 distinct families, thoughtfully curated by *Colour Hive* in London. Effortlessly combine colours harmoniously to suit your preferences. Discover more in our Materials brochure and order your free sample box today.

Colour fastness

Class 6
ISO 105-B02:A1

Order a free sample box



ARCHISONIC® Felt Material Specification

| | | |
|---|---|--|
| Product Name | ARCHISONIC® Felt | |
| Content | 100% PET (60% certified post-consumer content) | |
| Thickness¹ | 12mm (0.47") | 24mm (0.94") |
| Max. Size | 1200x2800mm (47"x110") | 1800x2400mm (70"x94") |
| Acoustic² | ASTM: NRC=0.6 ISO: αw=0.65 | ASTM: NRC=0.9 ISO: αw=0.95 |
| Density¹ | 2400 g/m ² (0.49 lbs/ sqft) | 4000 g/m ² (0.82 lbs/sqft) |
| Colour Fastness | Class 6 ISO 105-B02:A1 | |
| Colour | 36 colours (see ARCHISONIC® Felt Colour 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. | |
| Production Lead time³ | 21 days | |
| Fire Rating | DIN EN 13501-1: B-s1, d0 | ASTM E84 Class A |
| VOC Emission | 28 Days French Regulation A+ ASTM E84 Pass Bream® (International, UK, NL, SE, NOR) Exemplary CDPH (CDPH/EHLB/Standard Method V1.2) 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), 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



Declare.

DANAK
TEST Reg.nr. 522



Web and Bubbles Rectangle Ceiling Panels

Acoustic Performance



Testing Standards

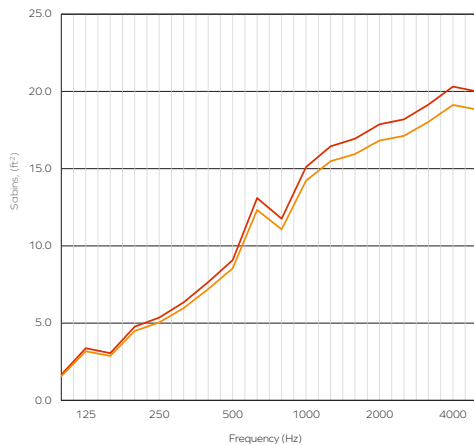
| | |
|----------------|---|
| ISO 354:2003 | Acoustics — Measurement of sound absorption in a reverberation room |
| ISO 11654:1997 | Acoustics — Sound absorbers for use in buildings — Rating of sound absorption |
| ISO 20189:2018 | Acoustics — Screens, furniture and single objects intended for interior 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

| | α_w | SAA | NRC |
|---|------------|------|------|
| 24mm Ceiling Panel 1800x2400mm ¹ | 0.75 (MH) | 0.85 | 0.85 |
| 12mm Ceiling Panel 1200x2800mm ¹ | 0.65 (H) | 0.74 | 0.75 |
| 24mm Ceiling Panel 1800x2400mm ² | 0.55 (MH) | 0.72 | 0.70 |

1 - Measured with 200mm airgap and open edges
 2 - Measured with 200mm airgap, open edges and 18% perforation

The NRC rating is calculated as the average of the absorption coefficients measured at frequencies of 250Hz, 500Hz, 1000Hz and 2000Hz and round to the nearest 0.05. SAA rating is calculated as the average of the sound absorption coefficients of a material for the twelve one-third octave bands from 200Hz through 2500Hz and rounded off to the nearest 0.01.

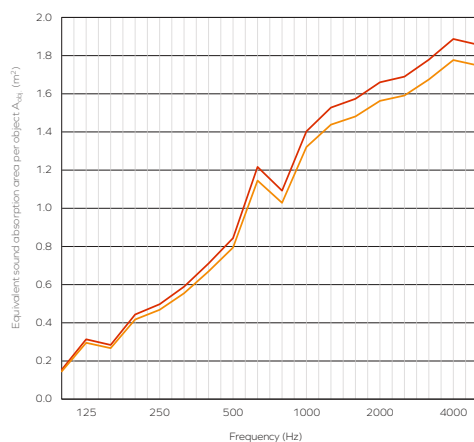


Acoustic Performance - ASTM Sabins , ft²

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|---|------|------|------|-------|-------|-------|
| 24mm Rectangle Bubbles 1800mm x 1200mm | 2.15 | 5.38 | 9.69 | 13.99 | 16.15 | 18.30 |
| 24mm Rectangle Web 1800mm x 1200mm | 3.23 | 5.38 | 9.69 | 13.99 | 17.22 | 19.38 |

The graph represents the Sabins (ft²) in the third octave band center frequencies in accordance with ASTM C423.

- 24mm Rectangle Bubbles 1800mm x 1200mm
- 24mm Rectangle Web 1800mm x 1200mm



Acoustic Performance - ISO A_{obj} , m²

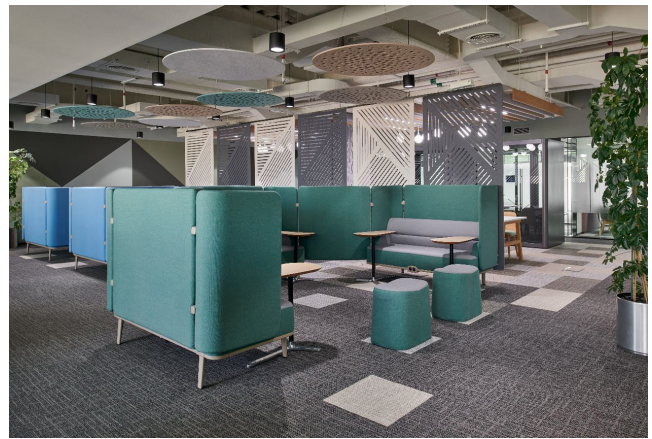
| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|---|-----|-----|-----|------|------|------|
| 24mm Rectangle Bubbles 1800mm x 1200mm | 0.2 | 0.5 | 0.9 | 1.3 | 1.5 | 1.7 |
| 24mm Rectangle Web 1800mm x 1200mm | 0.3 | 0.5 | 0.9 | 1.3 | 1.6 | 1.8 |

The graph represents the equivalent sound absorption per object (A_{obj}) in the third octave band center frequencies in accordance with ISO 20189. Measurement used Pink Noise as excitation signal in a reverberant room.

- 24mm Rectangle Bubbles 1800mm x 1200mm
- 24mm Rectangle Web 1800mm x 1200mm

Web and Bubbles Rectangle Ceiling Panels

Reference Projects



Web and Bubbles Rectangle Ceiling Panels

Additional Information

Online Resources

A variety of resources are available online for all of our products. Please visit the product's page for more information.



CAD files



Spec sheets and
Installation Guide



Colour families



Instruction
videos



Associated
products specs.

Ordering Process

Our experienced team of Project Consultants will guide and support you throughout the order process. We fulfill the majority of our orders in as little as 21 days¹ from your first point of contact, allowing you to focus on what truly matters to you.



Contact our
consultant

Quote¹

48h



Order Confirmation

Production¹

14-21 days



Dispatch

Transit

location based



Delivery

Contact Us

Ready to make an impact? We are just an email or call away to discuss your project and answer any question.



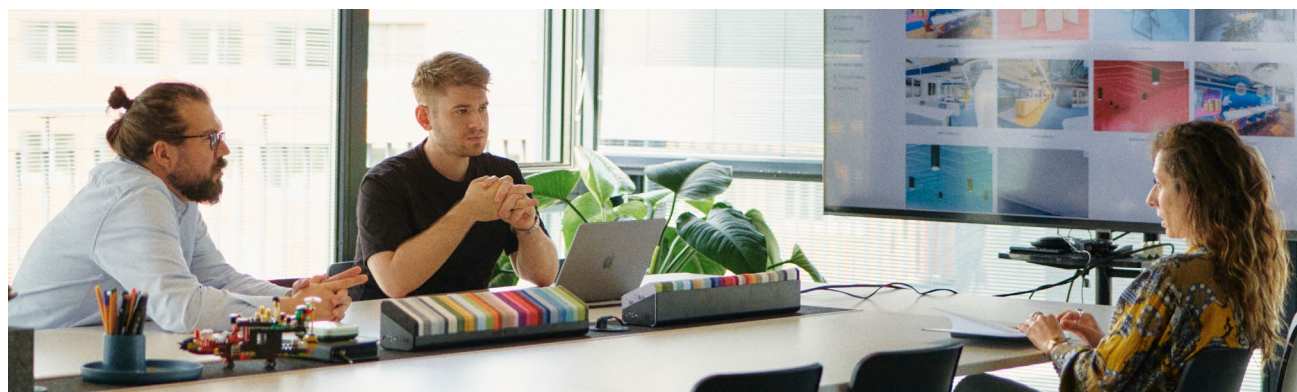
+41 41 244 14 00



connect@impactacoustic.com



Online form



¹ - Quote and Production times may vary.

**#We
Make An
Impact**

connect@impactacoustic.com | www.impactacoustic.com