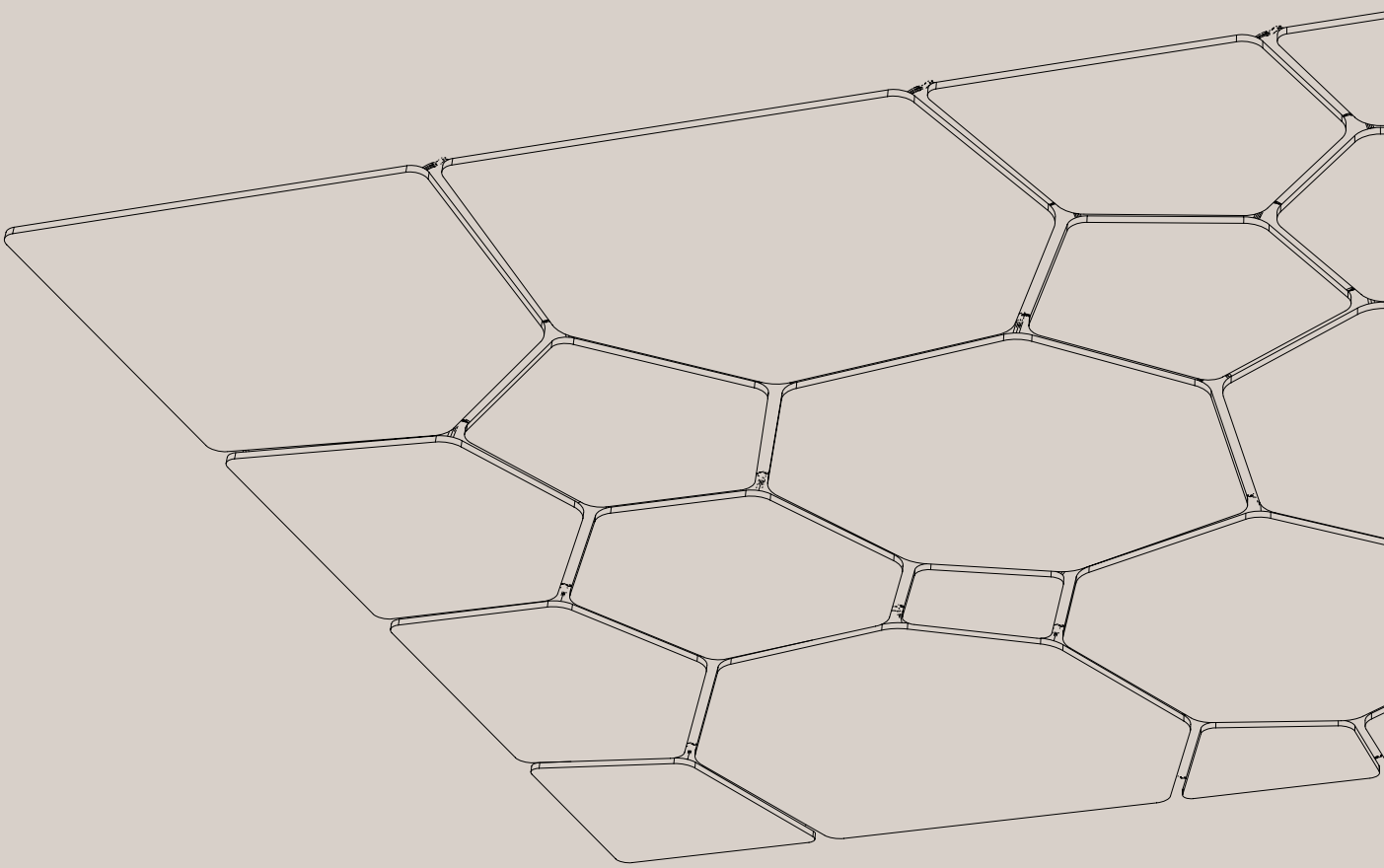
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Plateau
Ceiling Systems

714.24.10.000.00

TECHNICAL DATA SHEET

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Plateau Ceiling System
General Information



Data

Applicable article numbers

714.24.10.000.00

Dimensions[1]

Length	*on request*	
Width	*on request*	
Material thickness	24mm	0.94"

Custom solutions available

Material

Panles	100% PET (60% post-consumer) in 32 colors.
Mounting System	Aluminium (powder coated black)

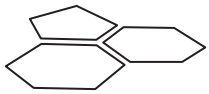
Extended document available

Weight[2]

Panels	4kg/m^2 (±10%)	0.82 lbs/ft^2 (±10%)

Included

Ceiling panels



Suspension system



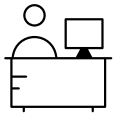
Spot lights *(on request)*



Installation guide



Design revision



Warranty 2 years[3]



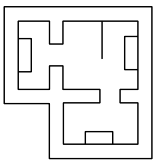
1 - all dimentions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

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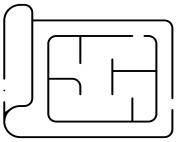
Plateau Ceiling System
Specification Guide

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:



Project Area



Ceiling Plans (RCP)

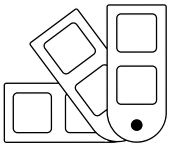
page 8



Other Considerations

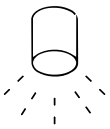
page 8

2 Specify your options:



Color

page 8



Lights

page 7

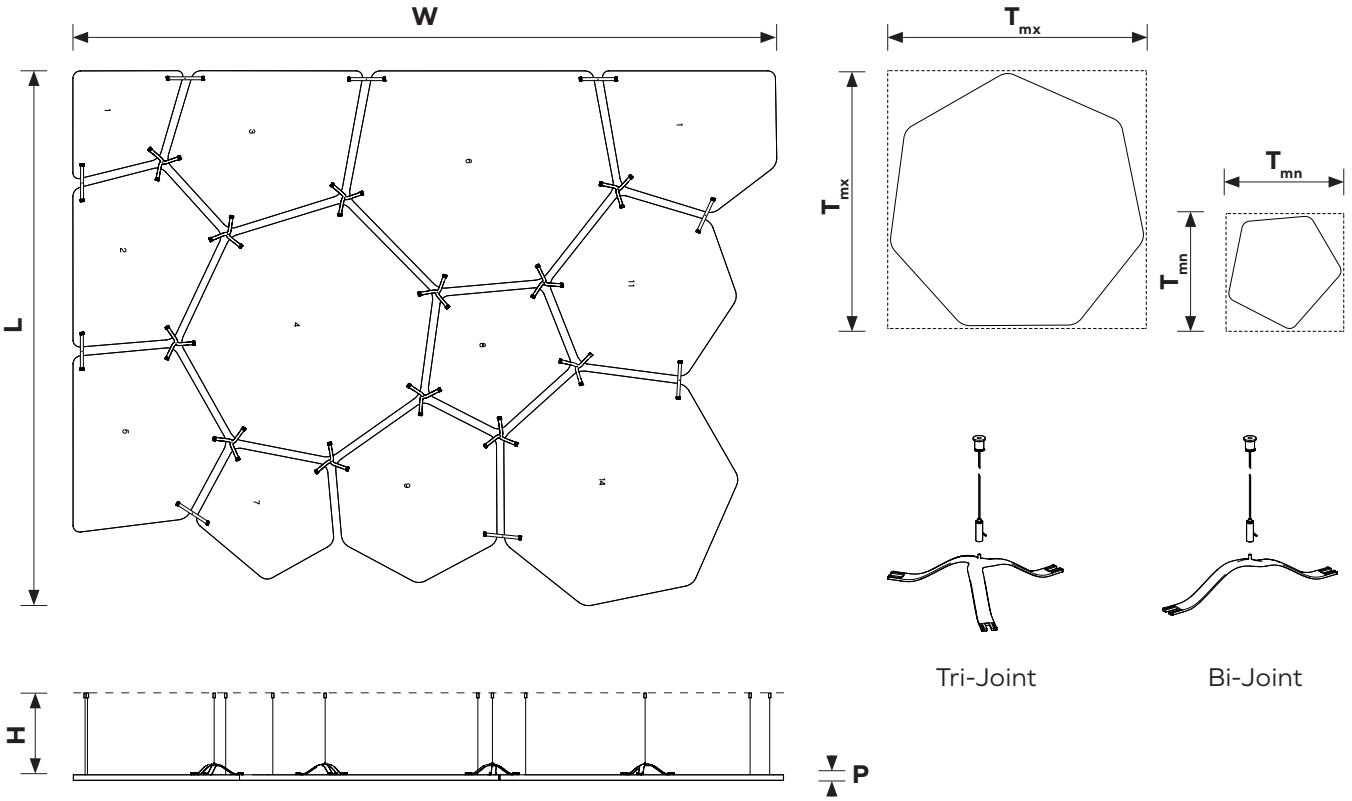
Plateau Ceiling System

Geometry Information

Custom solutions available

Reference geometry

Plateau system is a highy customizable bespoke ceiling acoustic solution. Our design team is able to create variaty of solutions to fit any particular space requiremtns you might have, thus no two single applications of Plateau system will be the same - contact us for more details.



Dimensions table

W	Total width	on demand	on demand	*bespoke*
L	Total length	on demand	on demand	*bespoke*
T_{mx}	Panel max size	1800mm	70.87"	*maximum*
T_{mn}	Panel min size	800mm	31.50"	*recommended min.*
H	Distance from ceiling	150-1400mm	5.90"-55.12"	*adjustable range.*
P	PET material thickness	24mm	0.94"	

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Plateau Ceiling System
Planning Considerations

Extended document available

When planning the addition of a Plateau Ceiling System to your space, please consider the following aspects.

1 Project area

Check and verify the project area where the Plateau System will be installed. This will allow us to provide you with an accurate quote.

If possible provide RCP drawings. This will help plan for any obstacles like columns and air-ducts that might collide with the Plateau.

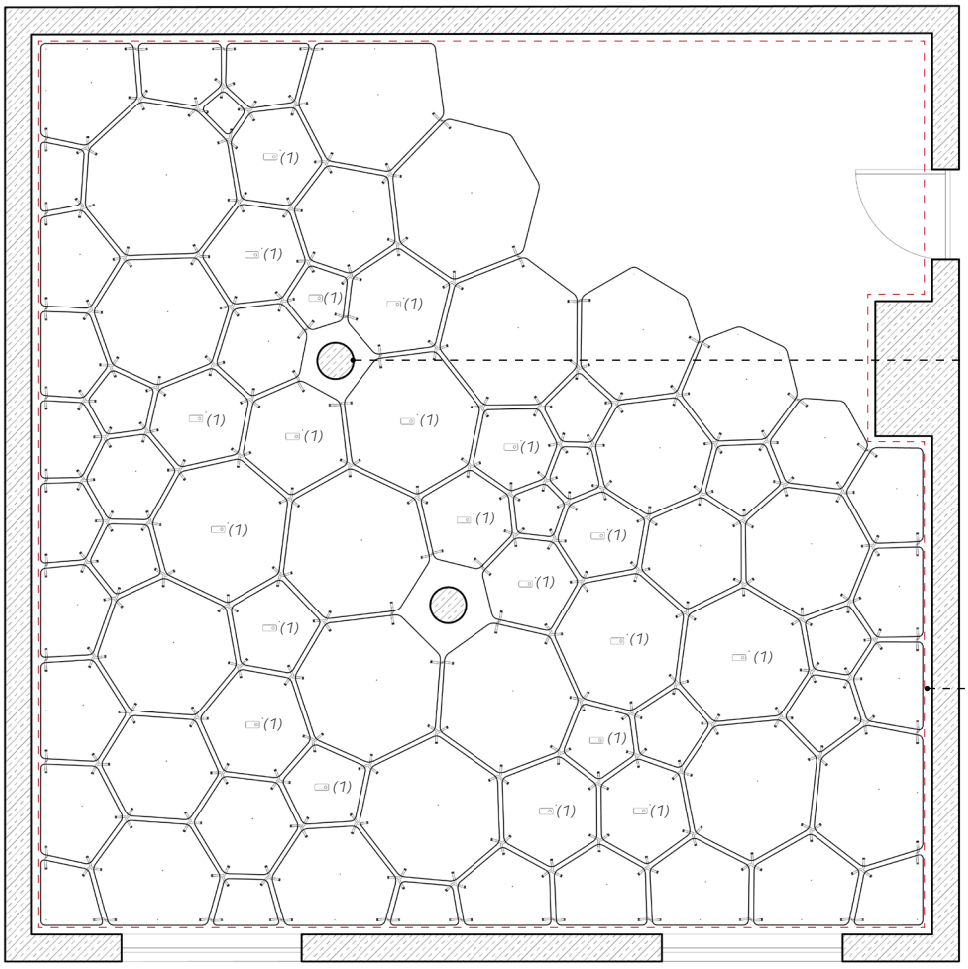
2 Integrated light

Plan for proper light conditions in the space. You can easy implement our optional LED spot light *(1)* solution in selected panels. We recommend performing a light analysis for your space in order to specify the right quantity and location of spot light elements. See more on page 7.

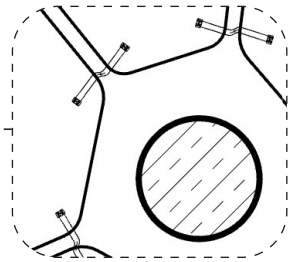
3 Additional considerations

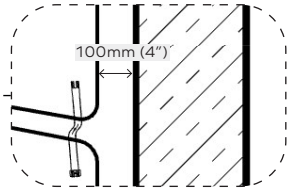
Consider access to high windows and doors.

Verify the type of material to which the support elements will be mounted. Plateau is using point-wire mounting system. See more on page 6.



Consider position of colums and other vertical elements in the space. Plateau can be easily adjusted to accomodate for those.





Plan for providing min. 100mm (4") safe space distance from panels to other elements

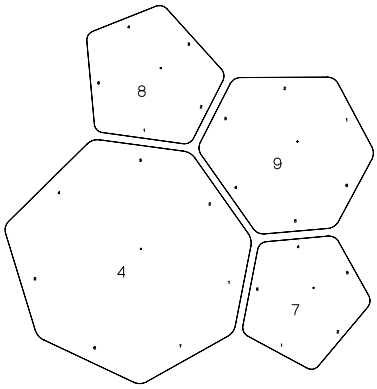
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Plateau Ceiling System
Installation Overview

Extended document available

1 Verify and organize

Verify all delivered elements and organize them based on the included labeling and provided cardboard plans.

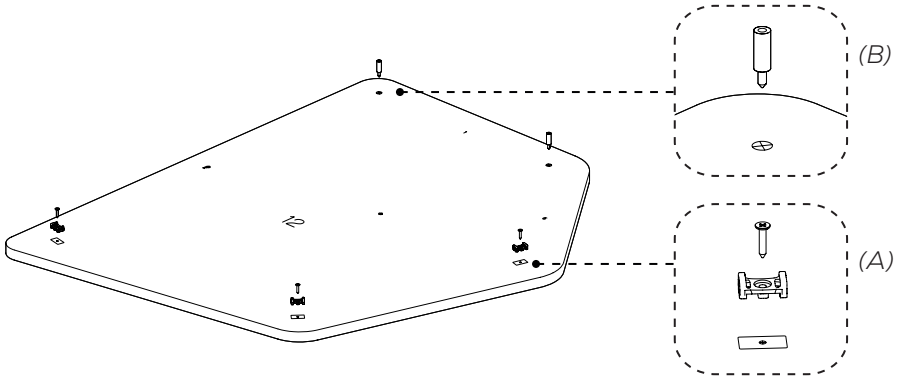


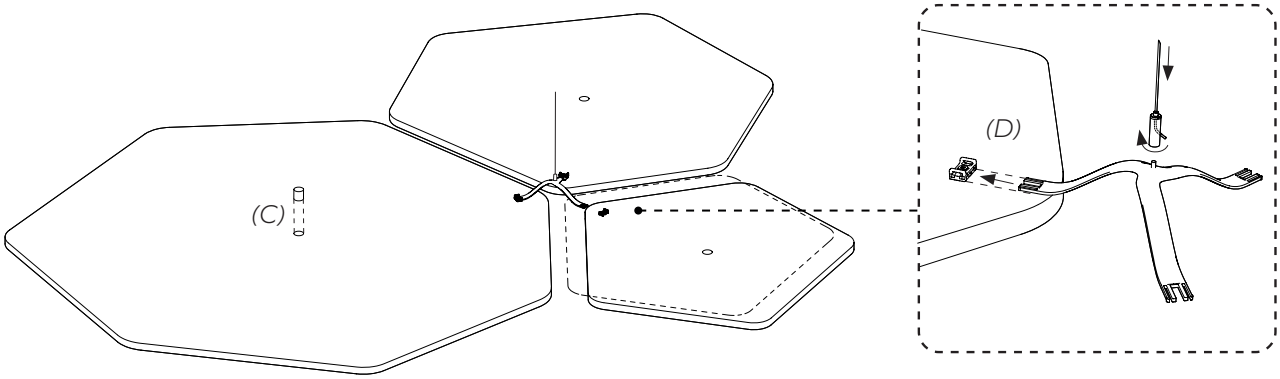
2 Fix hardware to ceiling

Use a vertical laser level to mark the locations of all suspension points on the ceiling. Fix hardware to ceiling on all marked suspension points as per the shop drawing.

3 Attach additional hardware to the panels

Fix hardware to the marked side of the panels. Align clips to rectangular markings and attache with screw *(A)*. Screw in the double sided gripper screws in a position of circular markings *(B)* .





4 Install lights (optional)

Remove the central circular cut-out from the panels you wish to install the lights in *(C)*. Push the spotlight into the opening and screw the driver to the panel.

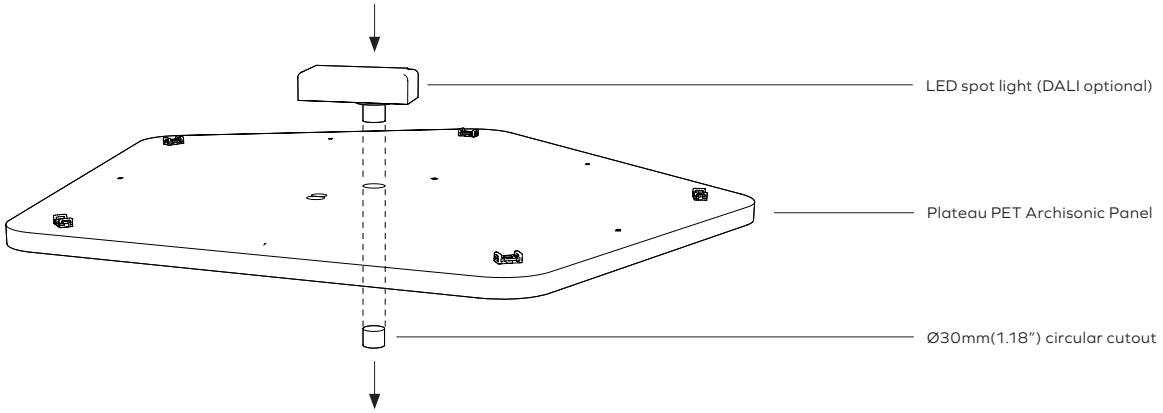
5 Attach cables to the panels

Attach grippers with cables to the Tri/Bi Joints and slide them into the clips on the panels until the click *(D)*. Continue attaching neighbor panels until complete.

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Plateau Ceiling System
Optional Spot Lights

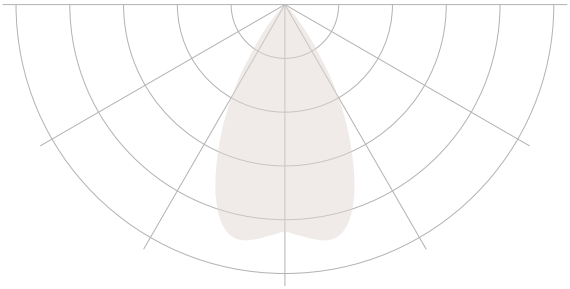
Each Plateau Archisonic PET ceiling panel is pre-cut with the central circular opening. The panel is not cut through entirely so the opening is not visible from the bottom side unless the cutout cilider is pushed out. We recommend performing a light analysis for your space in order to specify the right quantity and location of spot light elements.



LIGHTING SPECIFICATIONS

	per spot light
Output	Direct Only
Total Lumen Output (lm)	328
Wattage	6.5
Efficacy (lm/W)	50.5
Diffuser	Microprism
Beam Angle	34
CCT	2700-3000-3500-4000K
CRI	90+
MacAdam	3
Dimming (optional)	0-10V 0.1% DSI/DALI
Driver Location	On-Board

LIGHT DISTRIBUTION GRAPH



CERTIFICATIONS

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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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ARCHISONIC®
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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Plateau Ceiling System
Acoustic Performance

University of Stuttgart
Germany

Testing Standards

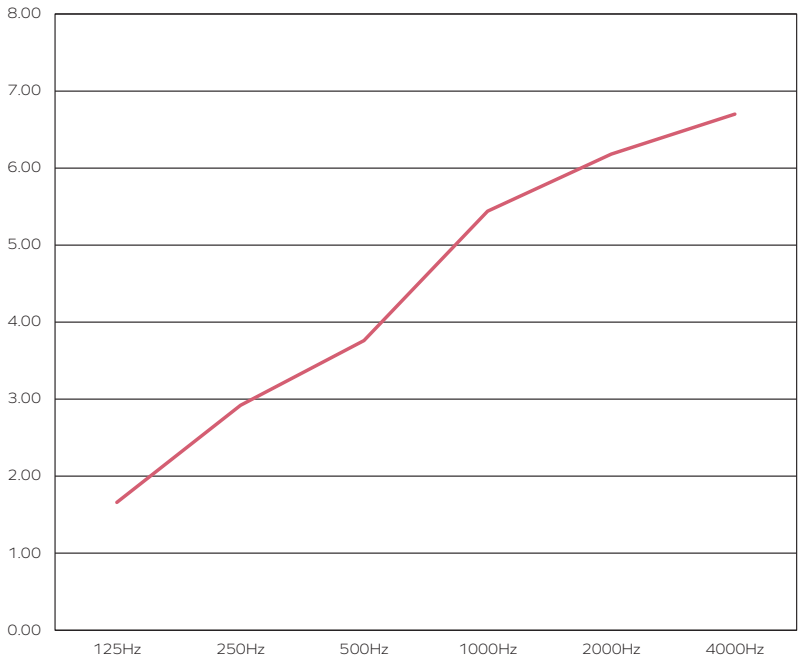
ISO 354:2003	Acoustics — Measurement of sound absorption in a reverberation room
ISO 11654:1997	Acoustics — Sound absorbers for use in buildings — Rating of sound absorption
ISO 20189:2018	Acoustics — Screens, furniture and single objects intended for interior use — Rating of sound absorption and sound 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**
Plateau Ceiling Panels 24mm PET	m^2	1.66	2.92	3.76	5.44	6.18	6.70

Acoustic Test Results ASTM (Sabins)

Frequency (Hz)		**125**	**250**	**500**	**1000**	**2000**	**4000**
Plateau Ceiling Panels 24mm PET	m^2	17.9	31.4	40.5	58.6	66.5	72.1



"If you want to control room acoustics from the ceiling, keep one important principle in mind: size matters."

– Daniel Verlooven,
Global Acoustic Ambassador

● Plateau Ceiling Panels 24mm

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.

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Plateau Ceiling System

Reference Project

