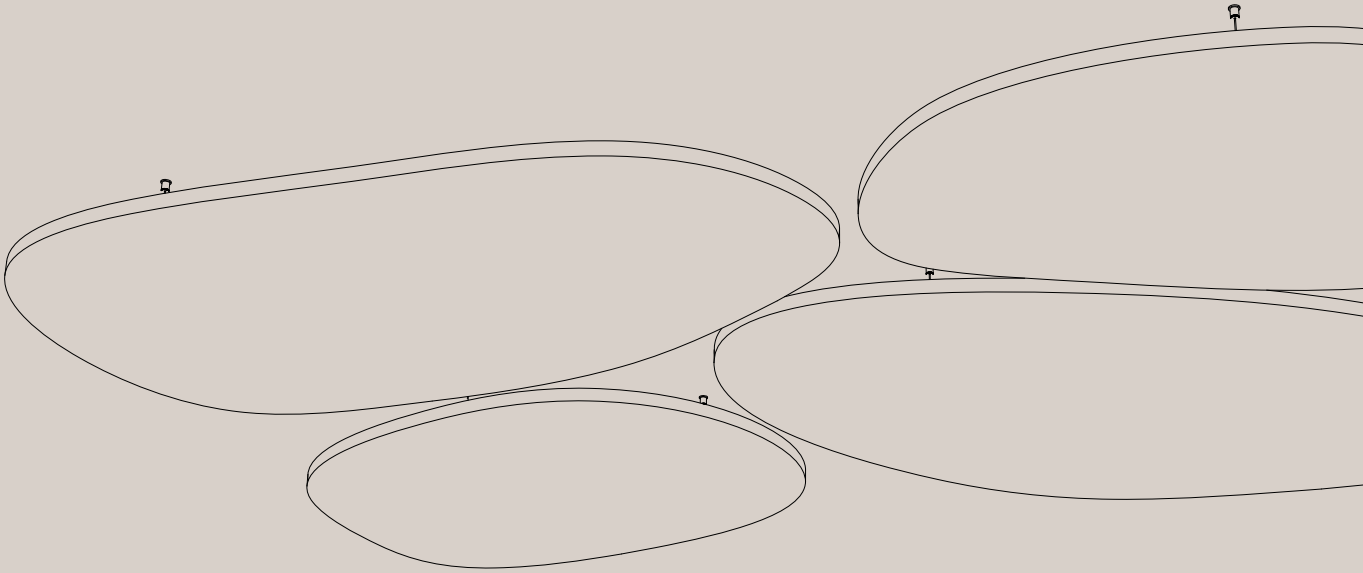
IMPACT ACOUSTIC®

HABITAT MATTER
habitatmatter.com
spec@habitatmatter.com



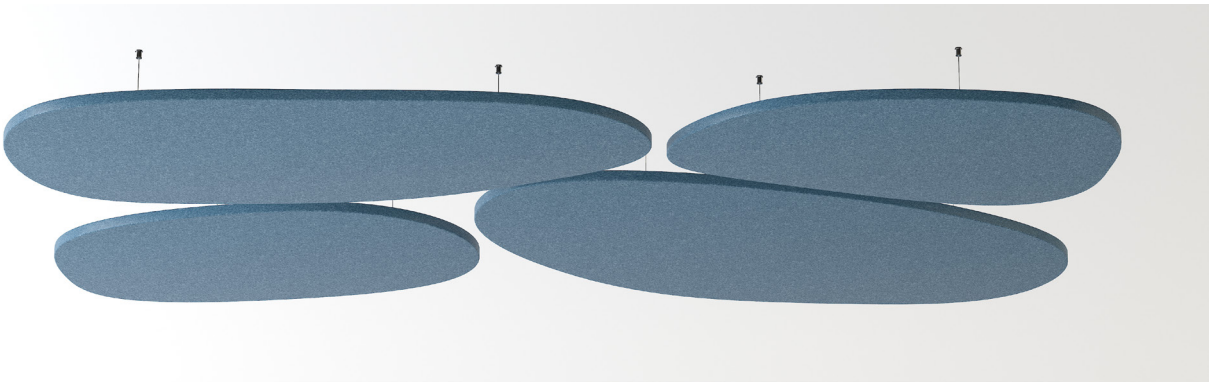
Stone
Ceiling Panels

711.24.19.000.00

TECHNICAL DATA SHEET

HABITAT MATTER
habitatmatter.com
spec@habitatmatter.com

Stone Ceiling Panles
General Information



Data

Applicable article numbers

711.24.19.000.00

Dimensions[1]

Width (cluster)	1800mm	70.87”
Length (cluster)	2400mm	94.49”
Material thickness	24mm	0.94”

Material

Panel	100% PET (60% post-consumer) in 32 colors.	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 4)

Included

Ceiling Panels 4pcs	Installation Kit	Installation guide	Warranty 2 years[3]

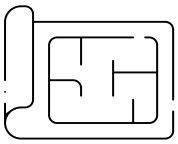
1 - all dimentions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

HABITAT MATTER
habitatmatter.com
spec@habitatmatter.com

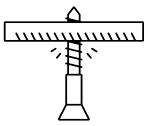
Stone Ceiling Panles
Specification Guide

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:

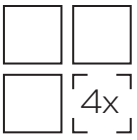


Ceiling Plans (RCP)



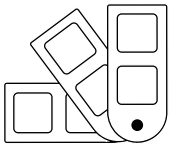
Ceiling Type

2 Specify your Baffles:



Number of Modules

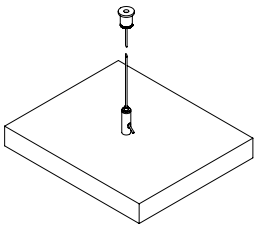
page 4



Color

page 6

3 Verify installation method:



Direct gripper

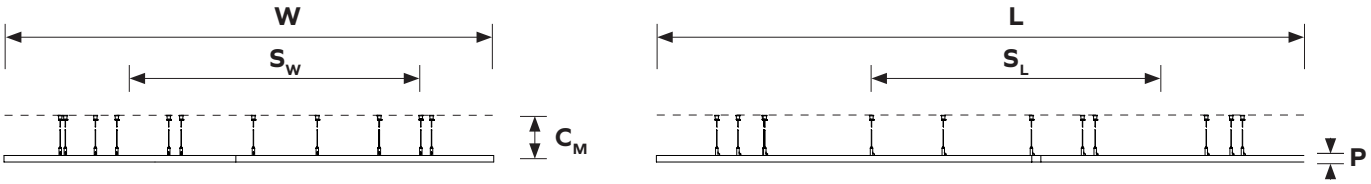
page 5

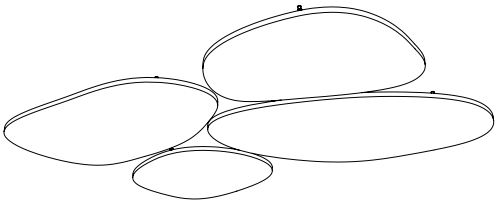
Stone Ceiling Panles

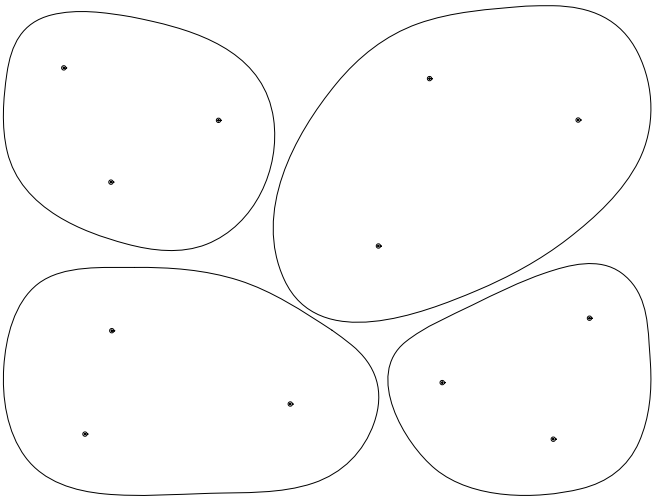
Custom solutions available

Geometry Information

Ceiling Panel Round 711.24.17.000.10







Dimensions table [1]

W	Total width	1800mm	70.87”
L	Total length	2400 mm	94.49”
C_M	Distance from ceiling	min. 100 mm	min. 4”
P	PET material thickness	24mm	0.94”

Weight table [2]

	PET panel	13.84 kg	30.51 lbs

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

HABITAT MATTER
habitatmatter.com
spec@habitatmatter.com

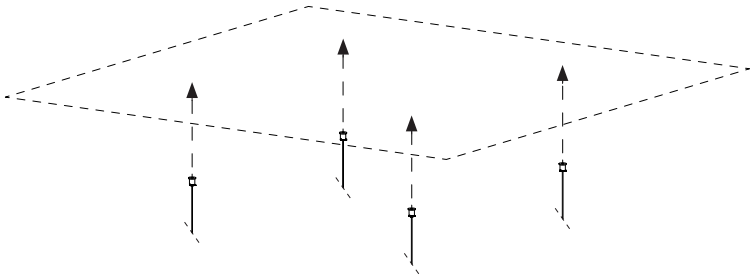
Stone Ceiling Panles
Installation Overview

Extended document available

1 Attach mounting hardware

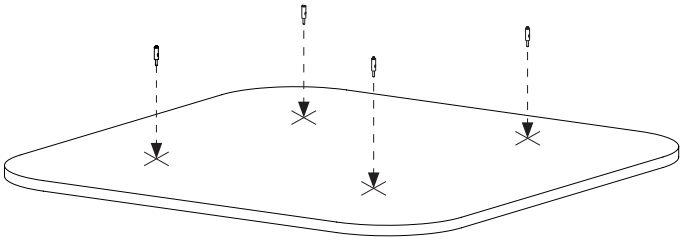
Measure the right spacing according to the X marks on the panel and attach mounting cables to the ceiling.





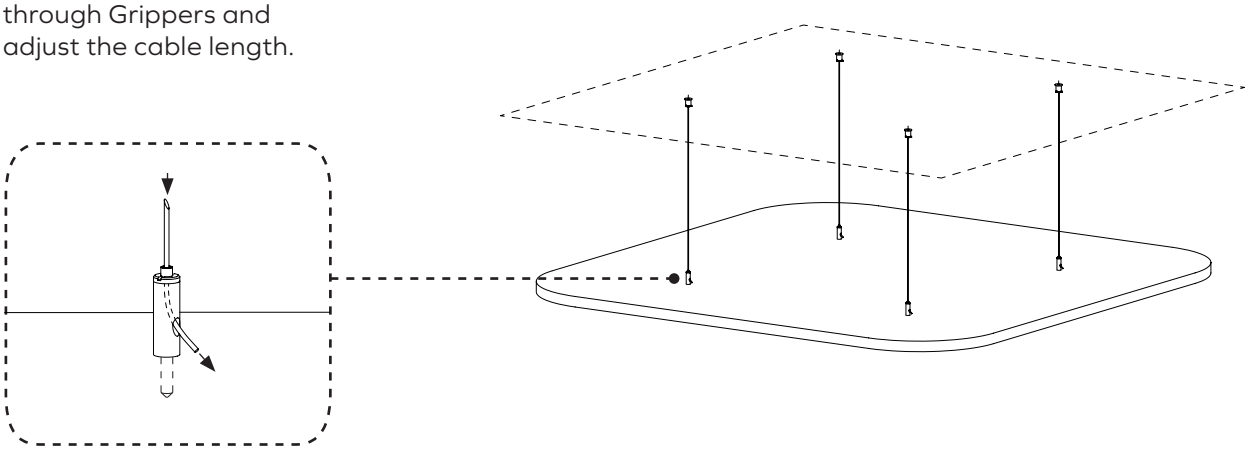
2 Attach grippers to the panel

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.



HABITAT MATTER
habitatmatter.com
spec@habitatmatter.com

ARCHISONIC®
Colors

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®

Colors

Experience our ARCHISONIC® Felt material with a stunning selection of 36 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

HABITAT MATTER
habitatmatter.com
spec@habitatmatter.com

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

MINIMUM 60% RECYCLED CONTENT POST-CONSUMER

HABITAT MATTER
habitatmatter.com
spec@habitatmatter.com

Stone Ceiling Panles
Acoustic Performance

Testing Standards

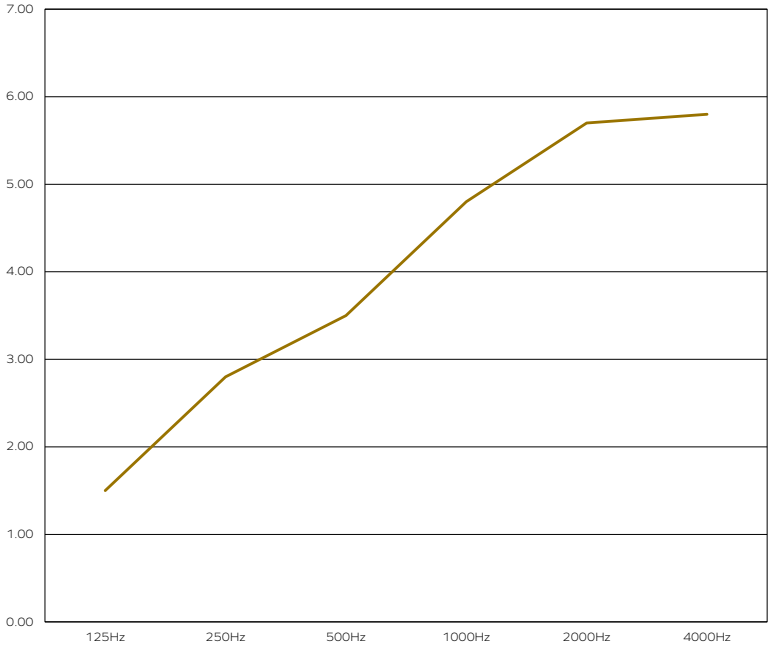
University of Stuttgart
Germany

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 Vela	m^2	1.5	2.8	3.5	4.8	5.7	5.8	NA

Acoustic Test Results ASTM	NRC
24mm Vela	0.60



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.

HABITAT MATTER
habitatmatter.com
spec@habitatmatter.com

HABITAT
MATTER
habitatmatter.com
spec@habitatmatter.com

Ceiling Panles

Reference Projects





