

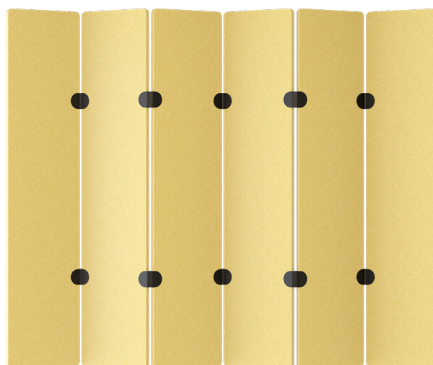
Paling

Standing Partition

742.24.90.000.00

Paling Standing Partition

General Information



Data

Applicable article numbers

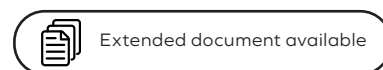
742.24.90.000.00

Dimensions¹

Height	1800 mm	70.86"
Width	2165 mm	85.24"
Panel thickness	24 mm	0.94"

Material

PET Panel	100% PET (60% post-consumer) in 32 colors
Connectors	Steel (powder coated black)

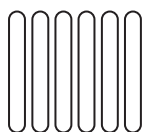


Weight²

PET Panel	4kg/m2 (±10%)	0.82 lbs/ft2 (±10%)
Stand legs	10kg	22 lbs

Included

Acoustic panels (6x)



Connectors (10x)



Assembly guide



Warranty 2 years³

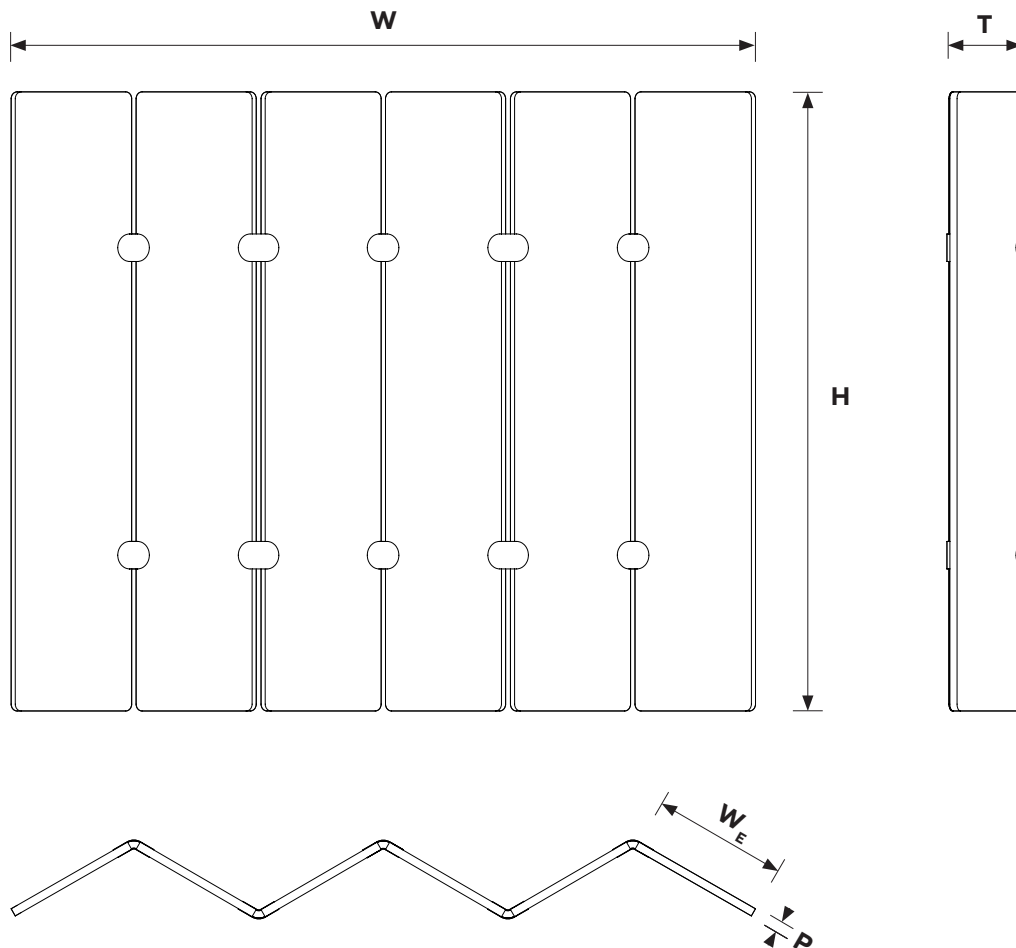


1 - all dimensions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

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Geometry Information

Paling Standing Partition 742.24.90.000.00



Dimensions table¹

W	Total width	2165mm	85.24"
H	Total height	1800mm	70.87"
T	Thickness	220mm	8.66"
W_E	Width element	625mm	15.35"
P	PET Panel thickness	24mm	0.94"

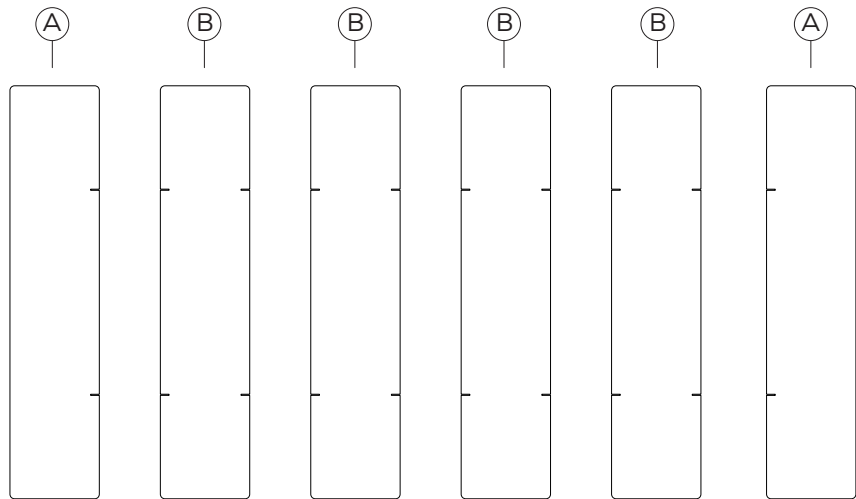
1 - all dimensions are nominal

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Assembly overview

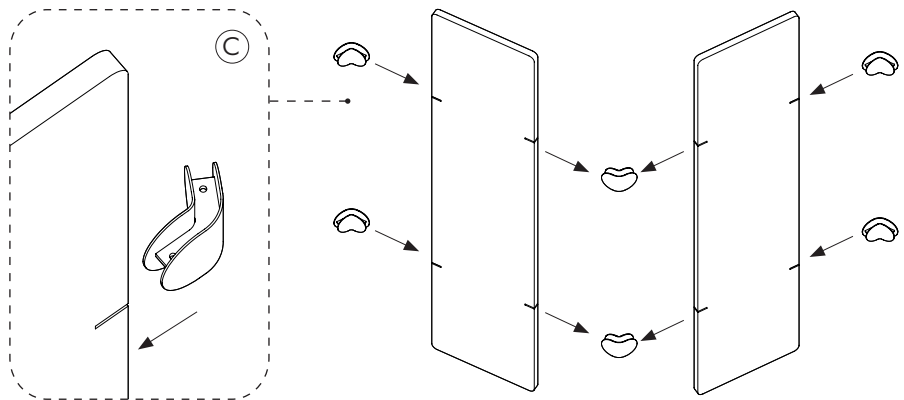
1 Sort the panels

Identify side panels with 2 incisions (A) and central panels with four incisions (B). Sort them flat on the ground.



2 Connect the panels









Connect panels with each other using provided connectors as showed on fig. (C)











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	Deep 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	432	810	540
NCS Code	S 5040-R10B	S 2060-R20B	S 1080-R	S 0580-Y70R	S 5030-G10Y	S 3040-B	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



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: α_w =0.65	ASTM: NRC=0.9 ISO: α_w =0.95
Density¹	2400 g/m ² (0.49 lbs/ sqft)	4000 g/m ² (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 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.



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Acoustic Performance



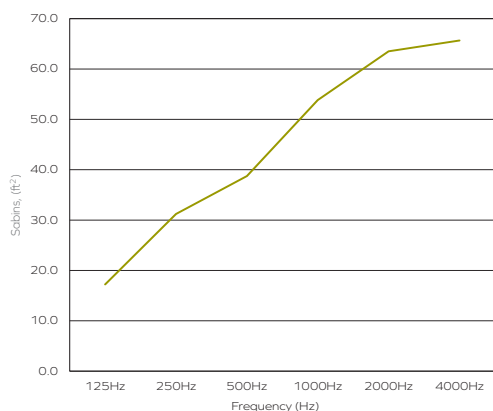
Testing Standards

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 Wall Panel 1800x2400mm (Plain)	0.55 (H)	0.57	0.55
24mm Wall Panel 1800x2400mm (Perforated pattern)	0.45 (H)	0.47	0.45
12mm Wall Panel 1200x2800mm (Plain)	0.4 (H)	0.39	0.40
12mm Wall Panel 1200x2800mm (Perforated pattern)	0.35 (H)	0.32	0.35

Measurement used Pink Noise as excitation signal in a reverberant room.

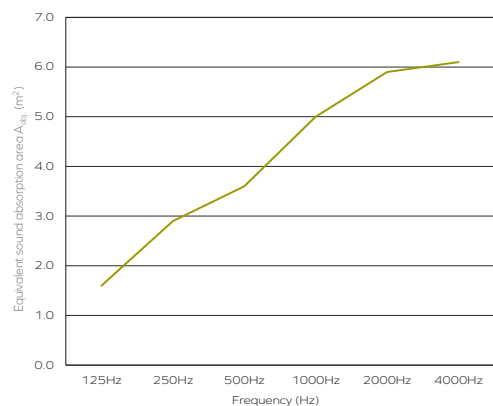


Acoustic Performance - ASTM Sabins, ft²

Frequency (Hz)	125	250	500	1000	2000	4000
Paling	17.22	31.22	38.75	53.82	63.51	65.66

The graph represents the Sabins (ft²) in the third octave band center frequencies.

● Paling



Acoustic Performance - ISO A_{obj}, m²

Frequency (Hz)	125	250	500	1000	2000	4000
Paling	1.6	2.9	3.6	5.0	5.9	6.1

The graph represents the equivalent sound absorption per object (A_{obj}) in the third octave band center frequencies.

● Paling

Paling Standing Partition

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



Color 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

48 h



Order Confirmation

Production¹

2 - 3 weeks



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.



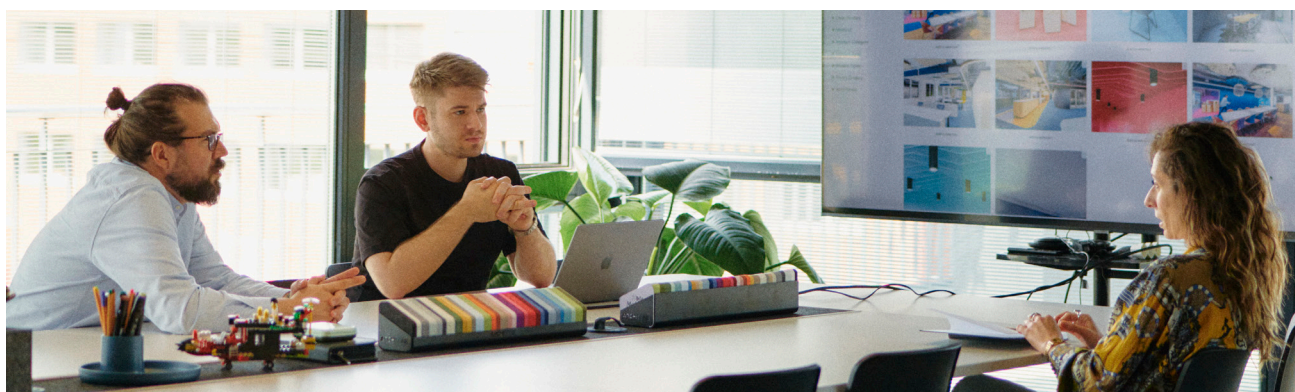
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Online form



¹ - Quote and Production times may vary.

IMPACT ACOUSTIC®
Paling Partition rev.01 - 14.12.23

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Inspirations

