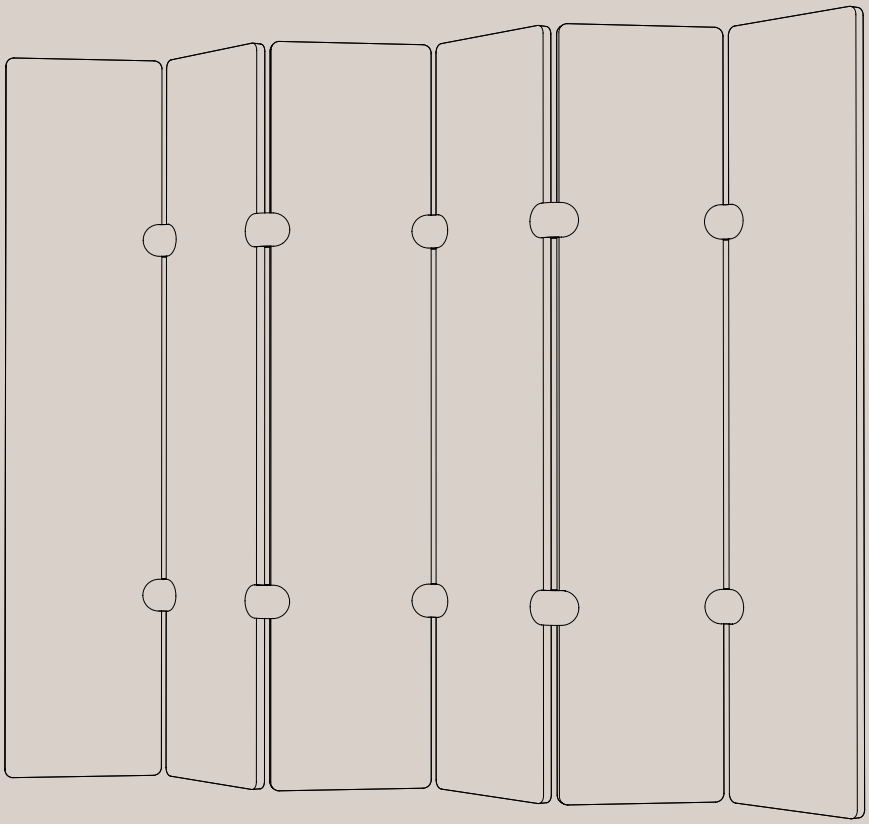
IMPACT ACOUSTIC®



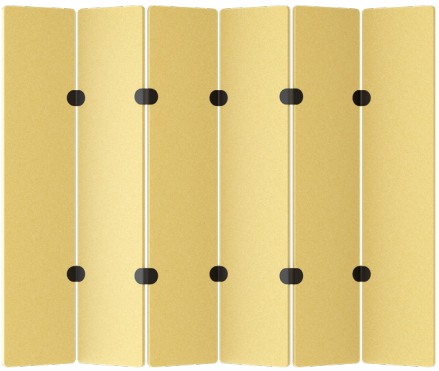
Paling
Standing Partition

742.24.90.000.00

TECHNICAL DATA SHEET

Paling Standing Partition

General Information



Data

Applicable article number

742.24.90.000.00

Dimensions[1]

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 45 colours
Connectors	Steel (powder coated black)

Extended document available

Weight[2]

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

Included

Acoustic panels (6x)

Connectors (10x)

Assembly guide

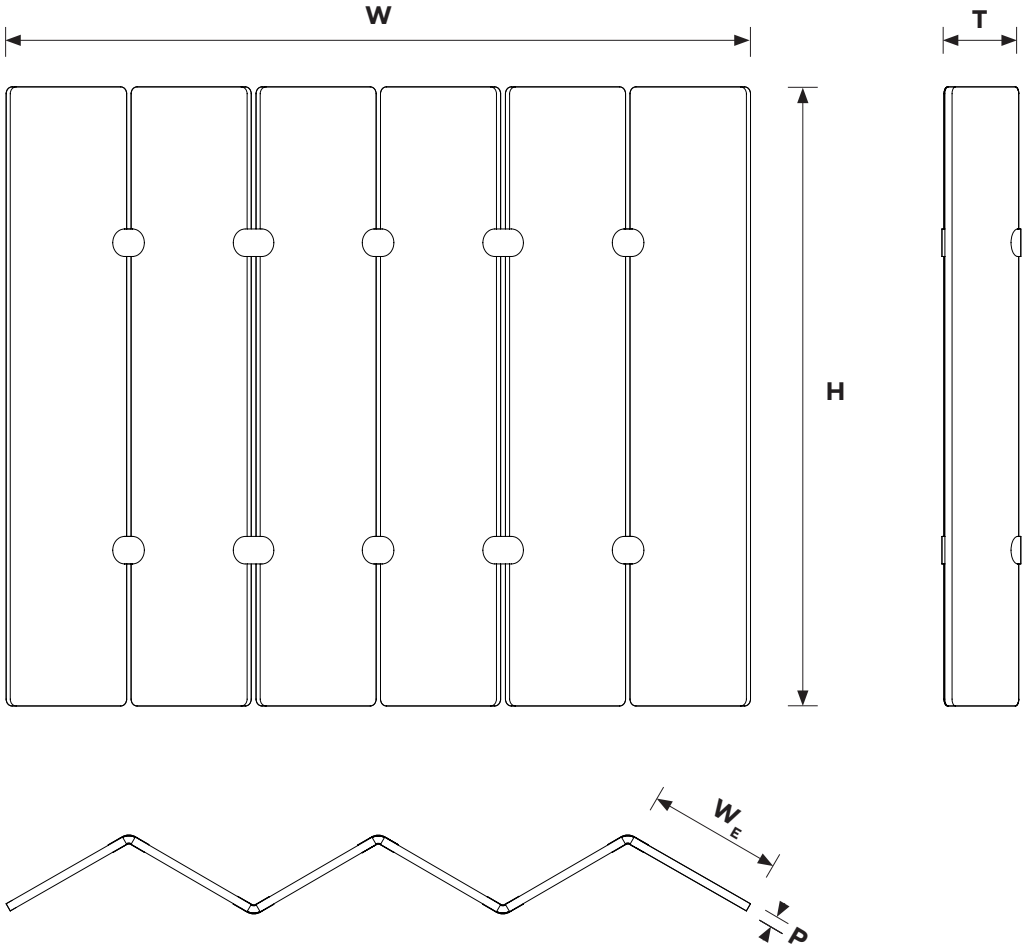
Warranty 10 years[3]

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

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

Paling Standing Partition
Geometry Information

Paling Standing Partition 742.24.90.000.00



Dimensions table[1]

W	Total width	2165mm	85.24”
H	Total height	1800mm	70.87”
T	Thickness	230mm	8.66"
W_E	Width element	390mm	15.35"
P	PET Panel thickness	24mm	0.94”

1 - all dimensions are nominal

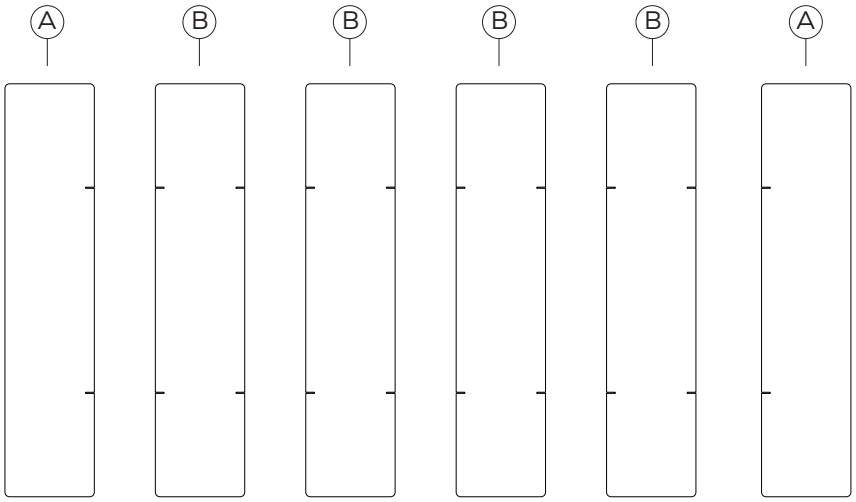
(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

Paling Standing Partition

Assembly overview

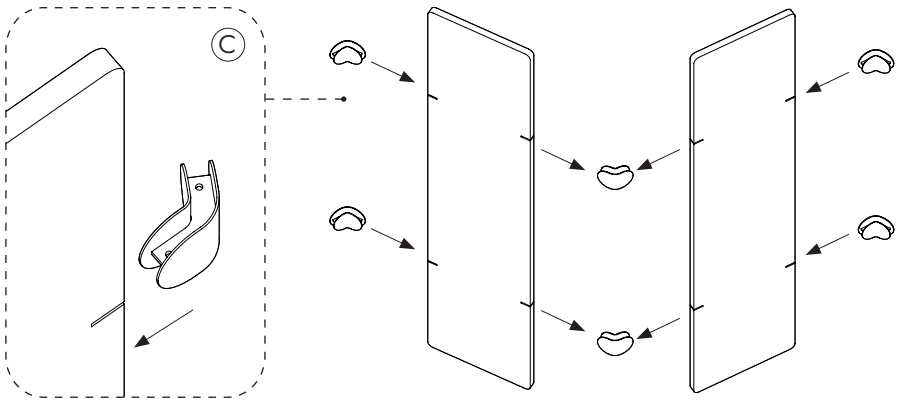
1 Sort the panels

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 shown on fig. (C)



(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

ARCHISONIC®
Colours

Material brochure available

Name	Snow White	Cloud	Smoke	Slate	Charcoal	Raven	Ground	Gull	Milk
Code	**500**	**103**	**442**	**444**	**542**	**550**	**108**	**144**	**404**
NCS	S 0300-N	S 1002-B	S 3005-R80B	S 4500-N	S 7502-B	S 8500-N	S 5005-Y20R	S 2502-Y	S 0502-Y

Name	Linen	Dune[S]	Jute	Fallow[S]	Warm Stone	Truffle[S]	Sunshine	Honeycomb	Electric Orange
Code	**107**	**104**	**920**	**238**	**105**	**539**	**846**	**139**	**464**
NCS	S 1505-Y30R	S 2005-Y	S 3010-Y30R	S 5010-Y30R	S 3010-Y50R	S 8502-R	S 1040-Y10R	S 2050-Y20R	S 0580-Y70R

Name	Terracotta	Soft Coral	Cinnabar[S]	Shell Pink	Garnet	Poster Red	Hot Pink	Grape	Marine Blue
Code	**239**	**516**	**725**	**102**	**724**	**662**	**140**	**540**	**864**
NCS	S 4040-Y70R	S 2020-Y90R	S 6030-R	S 0510-R30B	S 5040-R10B	S 1080-R	S 2060-R20B	S 5040-R40B	S 4050-R70B

Name	Midnight	Royal Blue[S]	Winter Sky	Deep Sea	Nocturne[S]	True Navy	Ice Blue	Pacific Ocean	Lagoon[S]
Code	**810**	**865**	**410**	**918**	**866**	**194**	**304**	**432**	**917**
NCS	S 7020-R70B	S 3560-R80B	S 2020-R90 B	S 5020-R90B	S 8010-R90B	S 8005-B	S 0510-B	S 3040-B	S 7020-B30G

Name	Succulent	Spearmint	Seafoam[S]	Nordic Pine	Moss	Grove	Pistachio[S]	Lichen	Fern
Code	**712**	**706**	**710**	**311**	**439**	**317**	**315**	**160**	**180**
NCS	S 3020-B30G	S 1010-B90G	S 3010-G30Y	S 5030-G10Y	S 2040-G40Y	S 7020-G30Y	S 5020-Y	S 4005-Y	S 6010-G90Y

These NCS codes are the closest visual match available and may not be exact to blended fibres.
S - Solid Colours, additional charge might apply.

ARCHISONIC®

Colours

Experience our ARCHISONIC® Felt material with a stunning selection of 45 colours across 9 distinct families, thoughtfully curated by *Colour Hive* in London. Effortlessly combine colours to create harmonious palettes that 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)
Thickness[1]	24mm (0.94")
Max. Size	1800x2400mm (70"x94")
Acoustic[2]	**ASTM**: NRC=0.9 **ISO**: αw=0.95
Density[1]	4000 g/m² (0.82 lbs/sqft)
Colour Fastness	**Class 6** ISO 105-B02:A1
Colours and finishes	**45 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.
Lead time[3]	21 days
Fire Rating[4]	DIN EN 13501-1: **B-s1, d0** ASTM E84 **Class A**
VOC Emission	**Indoor Air Comfort® GOLD** Compliance with leading international indoor air quality standards and sustainable building schemes across Europe and North America, including LEED, WELL, BREEAM, M1, AgBB, EMICODE, EU Taxonomy and REACH requirements. Additional documentation available upon request.
Thermal Conductivity[5]	24 mm: 0.037 W/m·K
Thermal Resistance[5]	24 mm: 0.65 m²K/W
Certifications	Declare label, Cradle to Cradle, UL Environmental Product Declaration, Member of US Green Building Council, Ecobau 1st Priority, Climate-KIC, 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
4 - the following colours carry a B-S2 fire certificate rating: Hot Pink 140 12mm, Lichen 160 12mm, True Navy 194 24mm, Pacific Ocean 432 24mm, Pacific Ocean 432 12mm Electric, Orange 464 24mm, Soft Coral 516 24mm, Raven 550 24mm, Raven 550 12mm, Poster Red 662 12mm, Garnet 724 12mm, Midnight 810 24mm Marine Blue 864 24mm
5 - values based on third-party testing according to ASTM C518.

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

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

Paling Standing Partition
Acoustic Performance

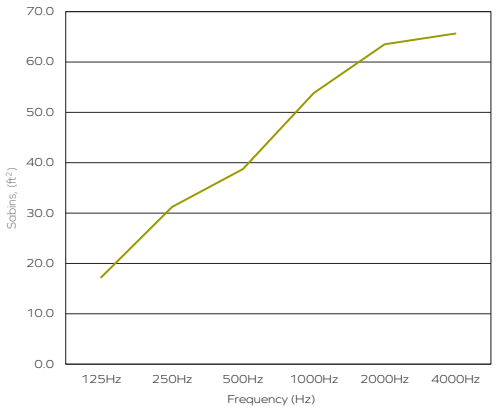
University of Stuttgart
Germany

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	αw	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.

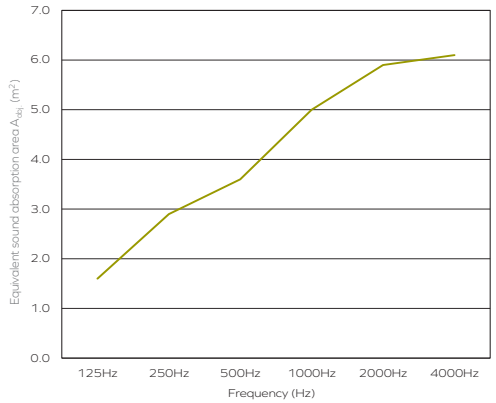


Acoustic Performance - ASTM Sabins , ft²

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

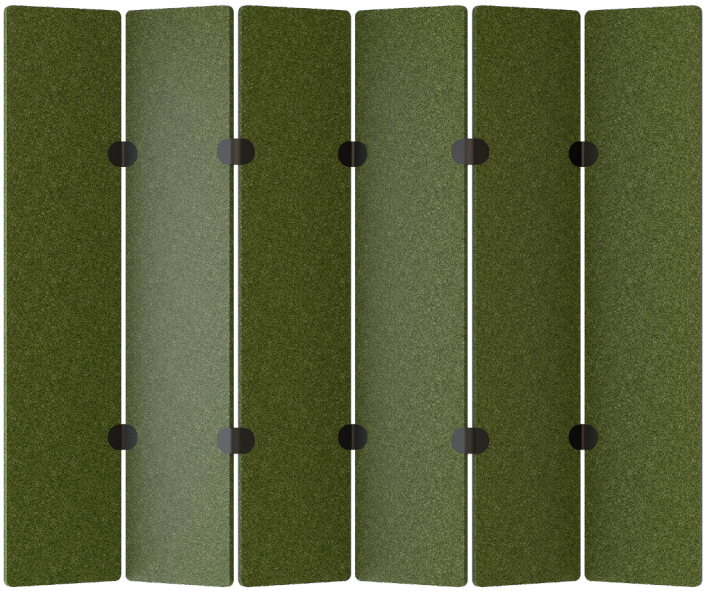
Frequency (Hz)	125	250	500	1000	2000	4000
Paling	1.6	2.9	3.6	5.0	5.9	6.1

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

● Paling

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

Paling Standing Partition
Inspirations





(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

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

Datasheets and Installation Guide

Colour families

Instruction videos

Associated products specifications

Ordering Process

Our experienced team of Project Consultants will guide and support you throughout the order process. We fulfil the majority of our orders in as little as 21 days[1] from your first point of contact, allowing you to focus on what truly matters to you.

Contact our consultant

Quote[1] 48 h

Order Confirmation

Production[1] 2 - 3 weeks

Dispatch

Transit location based

Delivery

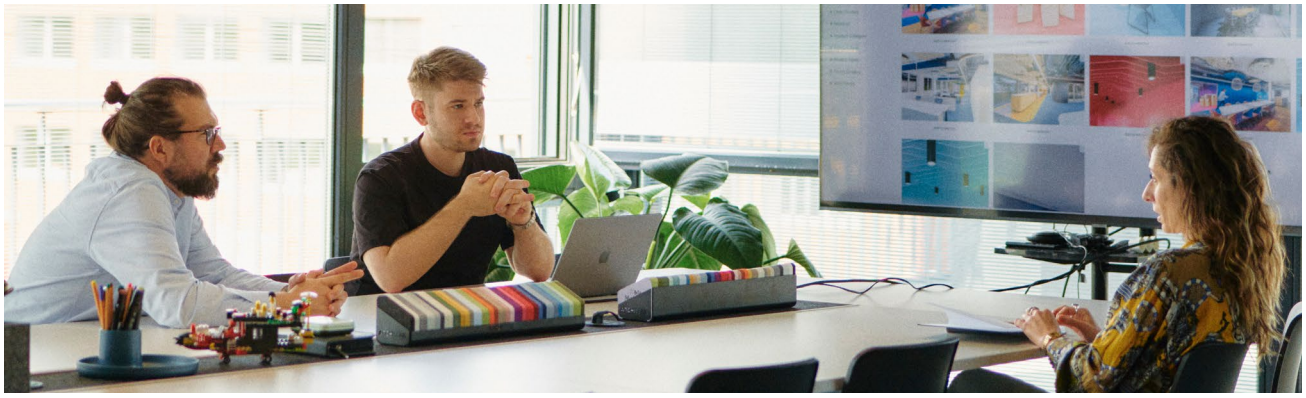
Contact Us

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

+41 41 244 14 00

connect@impactacoustic.com

Online form



1 - Quote and Production times may vary.

#We MakeAn Impact

connect@impactacoustic.com I www.impactacoustic.com