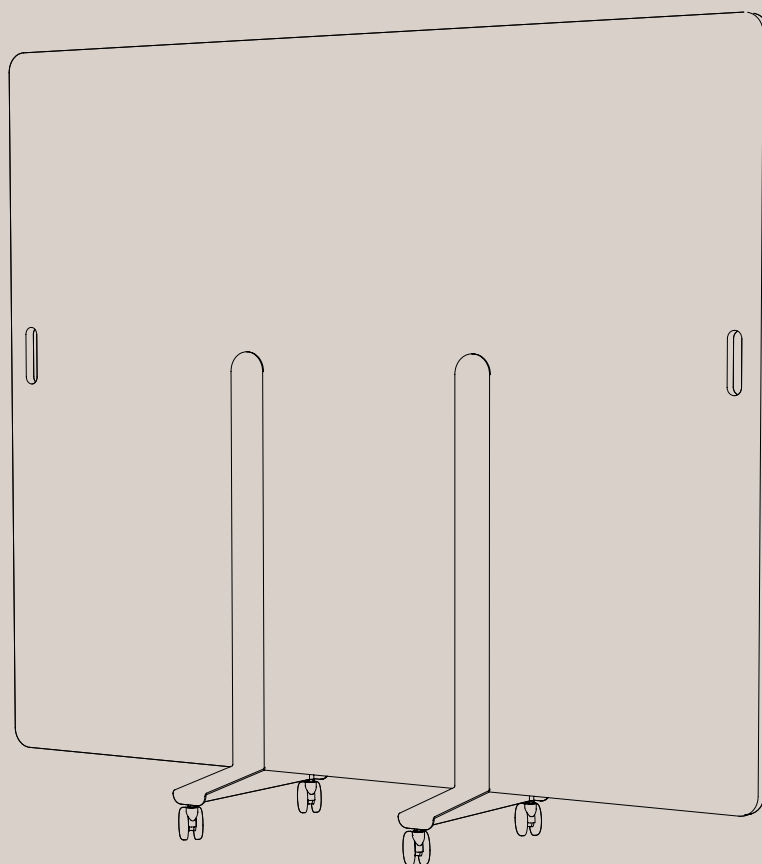


IMPACT ACOUSTIC®



Motus

Standing Partition

744.24.10.000.00

744.24.11.000.00

TECHNICAL DATA SHEET

Motus Standing Partition

General Information



Data

Applicable article numbers

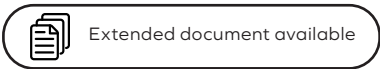
744.24.10.000.00 744.24.11.000.00

Dimensions¹

	Small		Big	
Height	1600 mm	63.00"	1800 mm	70.86"
Width	1800 mm	70.86"	1800 mm	70.86"
Panel thickness	24 mm	0.94"	24 mm	0.94"

Material

PET Panel	100% PET (60% post-consumer) in 45 colours	
Stand legs	Steel (powder coated black)	
Casters	Polyamid / Thermoplastic rubber	

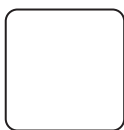


Weight²

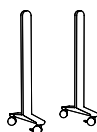
PET Panel	4kg/m2 (±10%)	0.82 lbs/ft2 (±10%)
Stand legs	10kg	22 lbs

Included

Acoustic panel



Stand legs (2x) and casters (4x)



Assembly guide



Warranty 10 years³



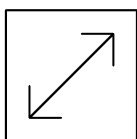
1 - all dimensions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

Motus Standing Partition

Specification Guide

Ensure you make the perfect choice by choosing our solutions for your next project. Explore our range of standard solutions or contact us directly for a more in-depth discussion of personalised customized options.

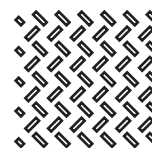
1 Specify your product:



Size
page 4 and 6



Colour
page 9



Pattern
page 5 and 7

2 Article numbers:

Item	Material	Size option	Colour	Pattern
744	24mm	Choose size as shown on p. 6	Choose colour as shown on p. 8	Choose pattern as shown on p. 5

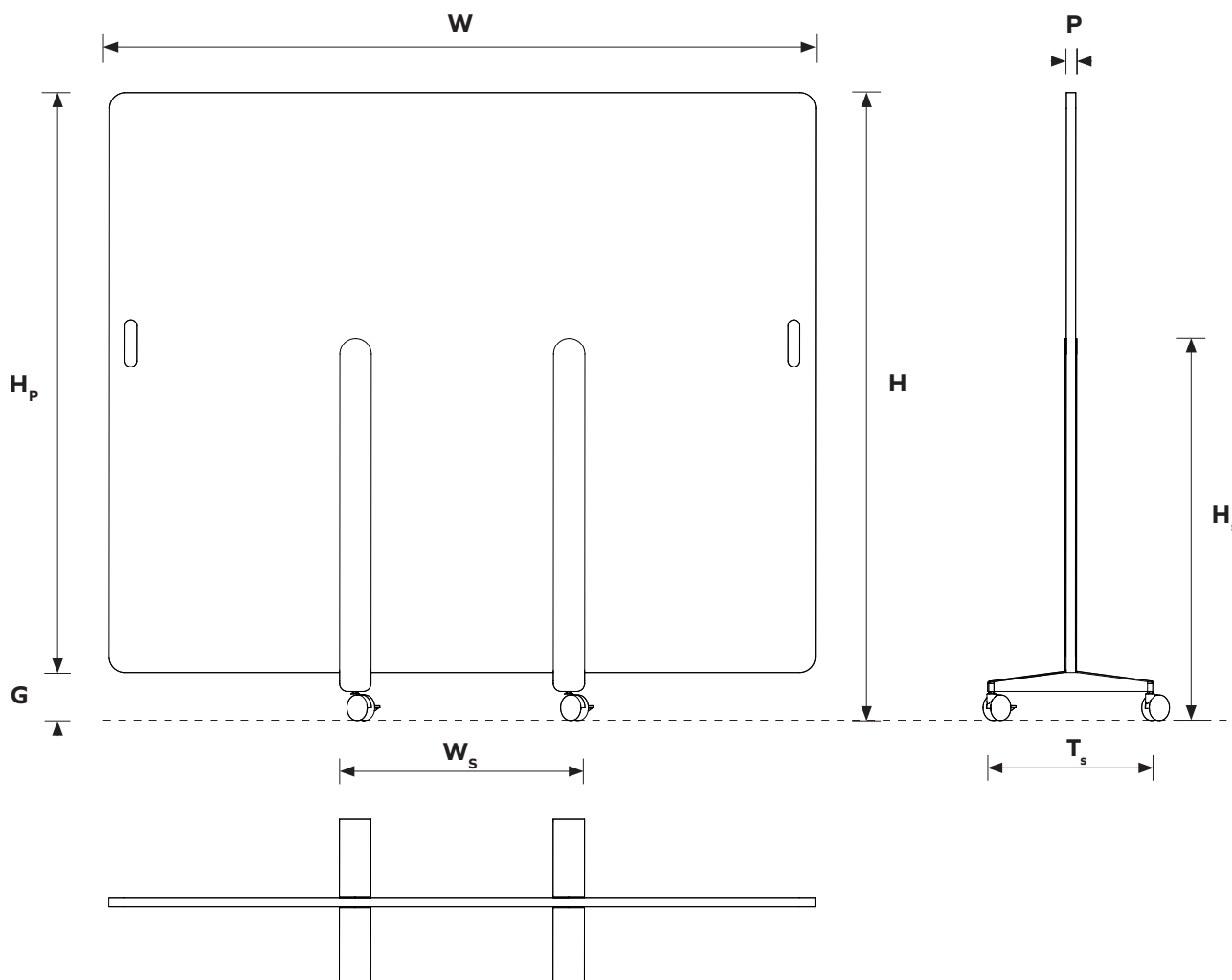
Example: 744.24.10.662.10

Standing Partition - Motus, 24mm, 1600x1800 662 - Poster Red - Web Pattern

Motus Standing Partition

Geometry Information

Motus Standing Partition Plain 744.24.10.000.00



Dimensions table¹

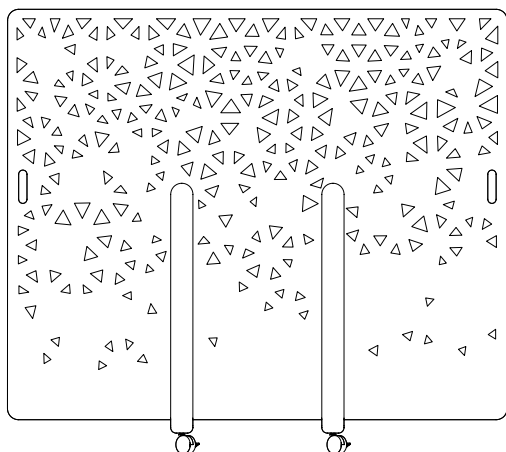
W	Total width	1800mm	70.87"	
H	Total height	1600mm	63.00"	including casters
H_p	PET Panel height	1478mm	58.19"	
H_s	Stand height	974mm	38.35"	including casters
W_s	Stand width	625mm	24.60"	
T_s	Stand thickness	423mm	16.65"	excluding casters
G	Gap from the ground	122mm	4.80"	
P	PET Panel thickness	24mm	0.94"	

1 - all dimensions are nominal

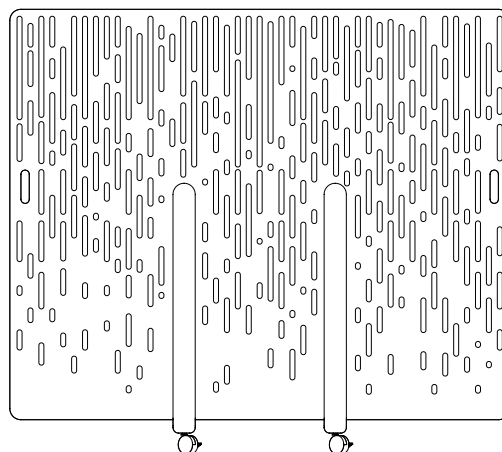
Motus Standing Partition

Available perforations

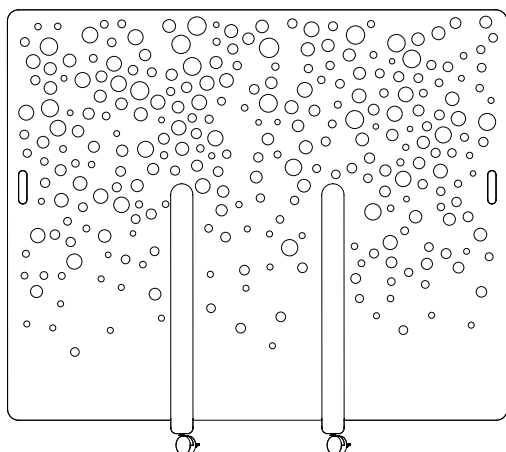
Please note that all patterns are available in six sizes. See next page for sizes options.



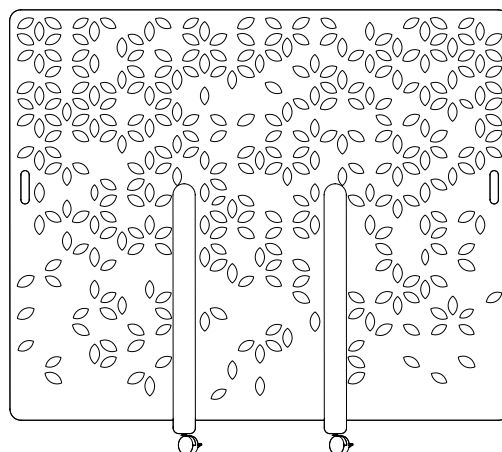
744.24.10.000.10 - Motus Standing Partition Web



744.24.10.000.11 - Motus Standing Partition Matrix



744.24.10.000.12 - Motus Standing Partition Bubbles

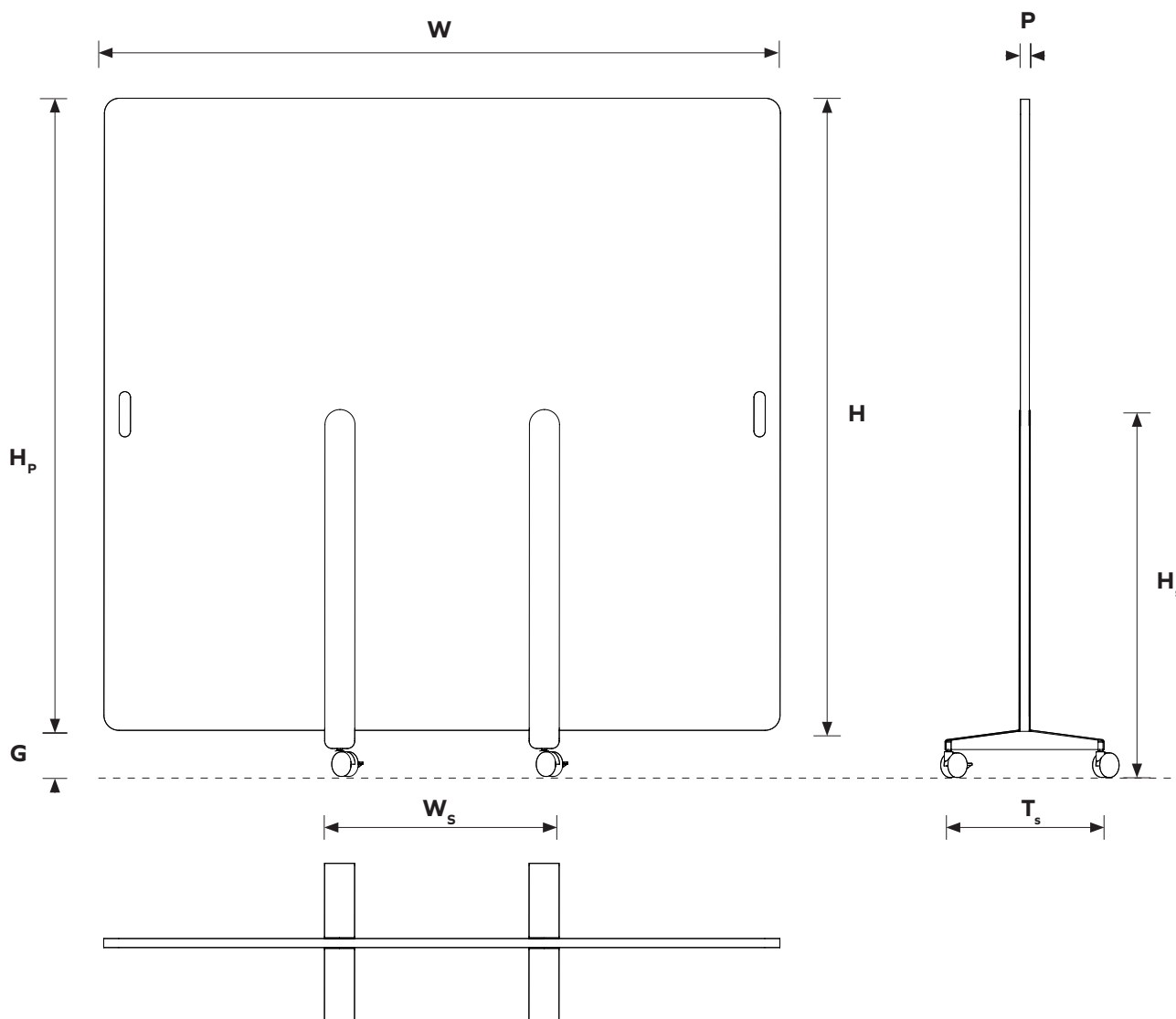


744.24.10.000.13 - Motus Standing Partition Crose

Motus Standing Partition

Geometry Information

Motus Standing Partition Plain 744.24.11.000.00



Dimensions table¹

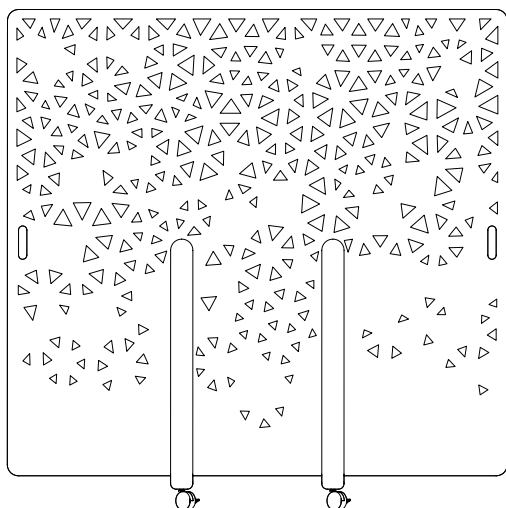
W	Total width	1800mm	70.87"	
H	Total height	1800mm	70.87"	including casters
H_P	PET Panel height	1678mm	66.06"	
H_s	Stand height	974mm	38.35"	including casters
W_s	Stand width	625mm	24.60"	
T_s	Stand thickness	423mm	16.65"	excluding casters
G	Gap from the ground	122mm	4.80"	
P	PET Panel thickness	24mm	0.94"	

1 - all dimensions are nominal

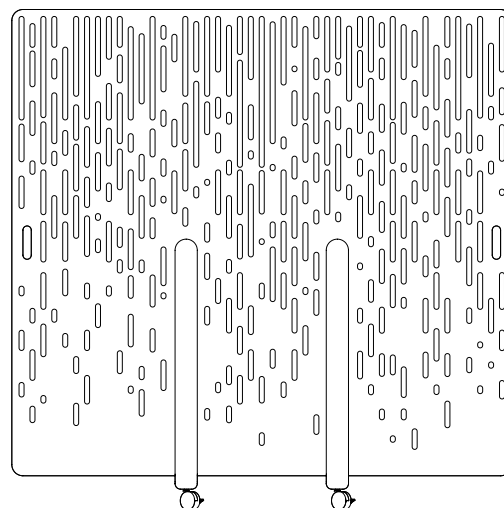
Motus Standing Partition

Available perforations

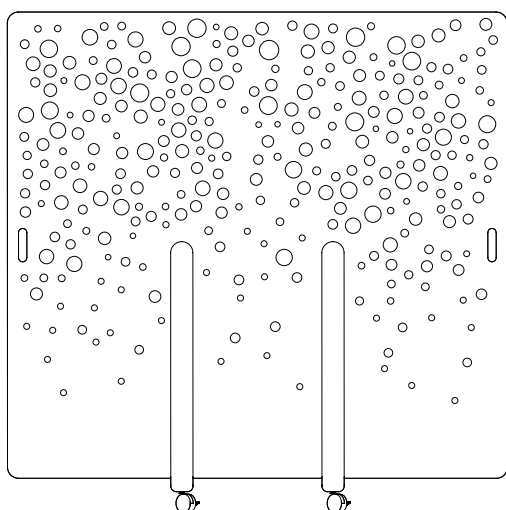
Please note that all patterns are available in six sizes. See next page for sizes options.



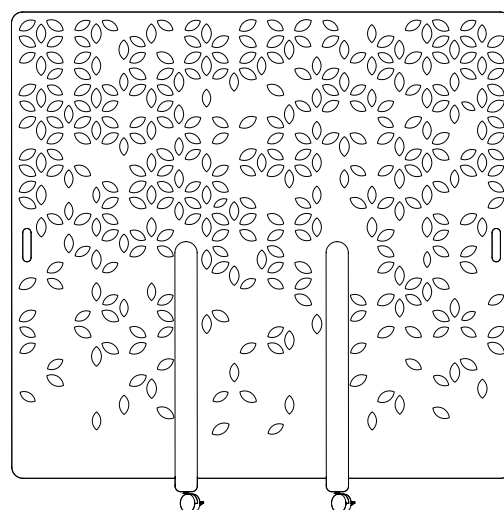
744.24.11.000.10 - Motus Standing Partition Web



744.24.11.000.11 - Motus Standing Partition Matrix



744.24.11.000.12 - Motus Standing Partition Bubbles



744.24.11.000.13 - Motus Standing Partition Crose

Motus Standing Partition

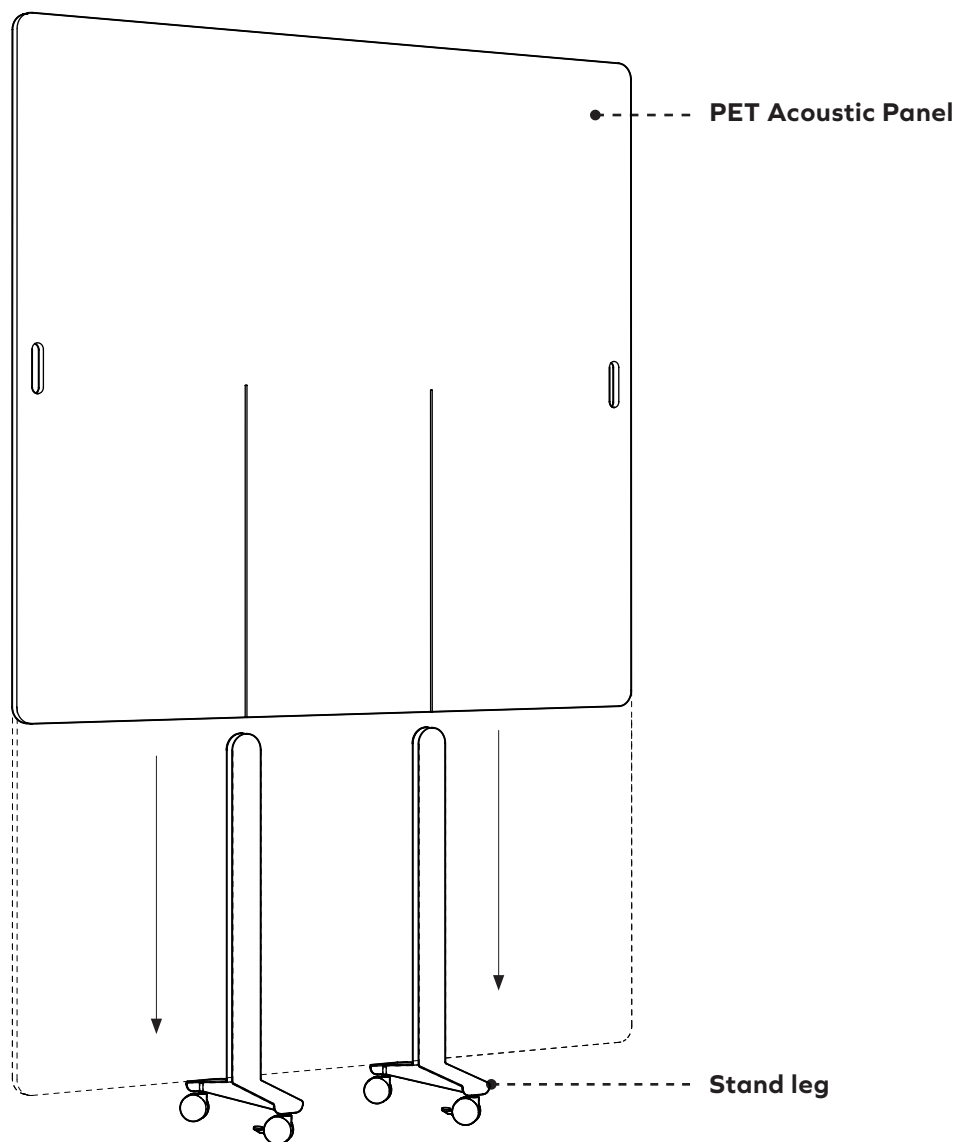
Assembly overview

1 Stand legs

Place the stand legs on even horizontal surface and space them to match the incision cuts on the panel.

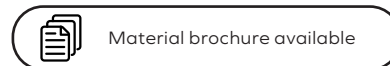
2 PET Acoustic Panel

Slide the acoustic panel into the stand legs as much as possible.



ARCHISONIC®

Colours



									
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	Jute	Fallow	Warm Stone	Truffle	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	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	Winter Sky	Deep Sea	Nocturne	True Navy	Ice Blue	Pacific Ocean	Lagoon
Code	810	865	410	918	866	194	304	432	917
NCS	S 7020-R70B	S 3560-R80B	S 2020-R90B	S 5020-R90B	S 8010-R90B	S 8005-B	S 0510-B	S 3040-B	S 7020-B30G

									
Name	Succulent	Spearmint	Seafoam	Nordic Pine	Moss	Grove	Pistachio	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.

Colours

ARCHISONIC®

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 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: 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)
Colour Fastness	Class 6 ISO 105-B02:A1	
Colour	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.	
Production Lead time³	21 days	
Fire Rating⁴	DIN EN 13501-1: B-s1, d0	ASTM E84 Class A
VOC Emission	28 Days French Regulation A+ ASTM E84 Pass Breeam® (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, Climate-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

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



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



Declare.

DANAK
TEST Reg.nr. 522



Asto Standing Division

Acoustic Performance



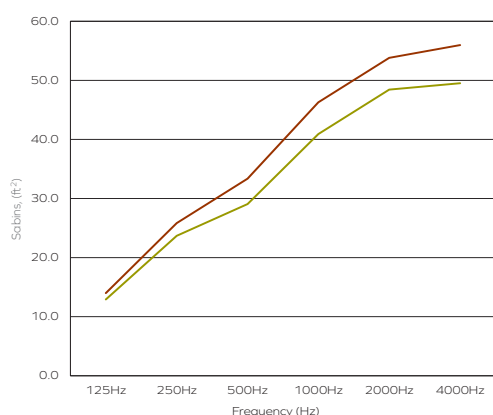
Testing Standards

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.

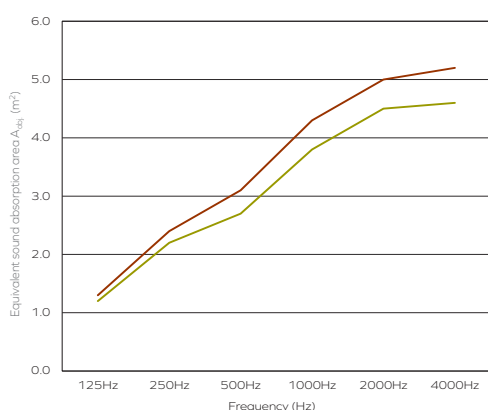


Acoustic Performance - ASTM Sabins, ft²

Frequency (Hz)	125	250	500	1000	2000	4000
24mm Motus 1800mm x 1600mm	12.92	23.68	29.06	40.90	48.44	49.51
24mm Motus 1800mm x 1800mm	13.99	25.83	33.37	46.28	53.82	55.97

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

- 24mm Motus 1800mm x 1600mm
- 24mm Motus 1800mm x 1800mm



Acoustic Performance - ISO A_{obj}, m²

Frequency (Hz)	125	250	500	1000	2000	4000
24mm Motus 1800mm x 1600mm	1.2	2.2	2.7	3.8	4.5	4.6
24mm Motus 1800mm x 1800mm	1.3	2.4	3.1	4.3	5.0	5.2

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

- 24mm Motus 1800mm x 1600mm
- 24mm Motus 1800mm x 1800mm

Please note this data refers only to the plain option. Acoustic performance of the perforated panels is available upon demand.

Motus Standing Partition

Inspirations



Motus 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



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

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.



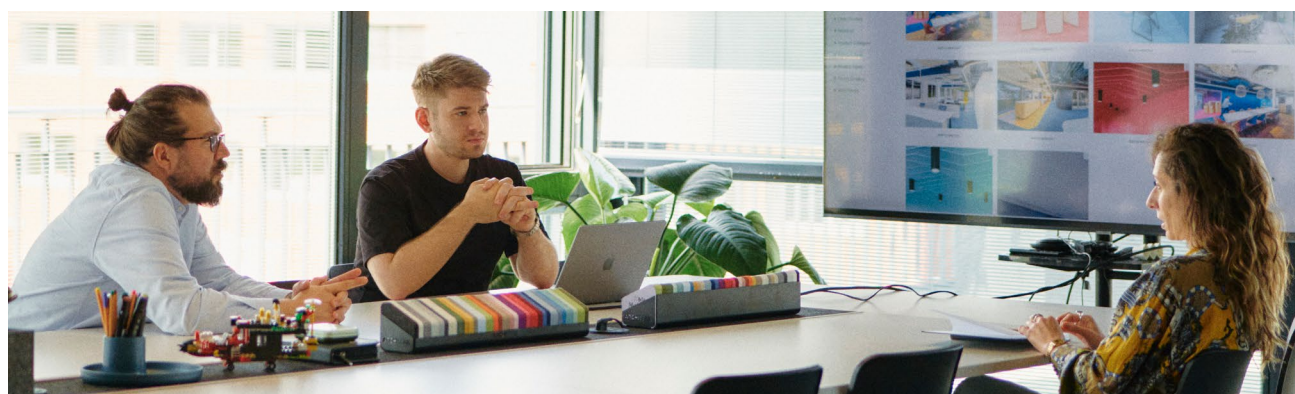
+41 41 244 14 00



connect@impactacoustic.com



Online form



¹ - Quote and Production times may vary.

IMPACT ACOUSTIC®
Motus Partition rev.03 - 20.04.26

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