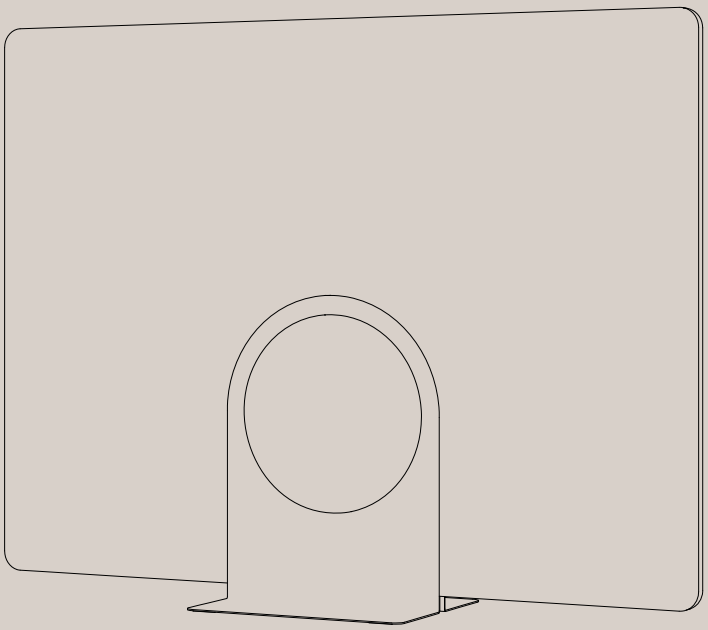
IMPACT ACOUSTIC®



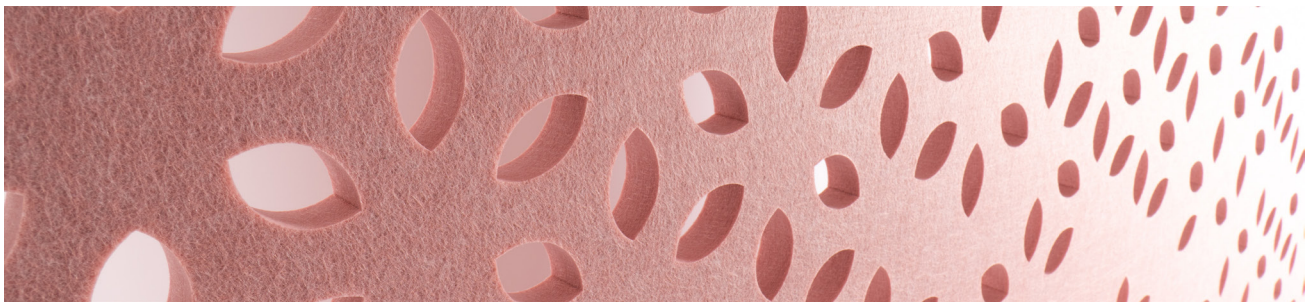
Asto
Standing Partition

743.24.10.000.00	743.24.12.000.00	743.24.14.000.00
743.24.10.000.10	743.24.12.000.10	743.24.14.000.10
743.24.10.000.11	743.24.12.000.11	743.24.14.000.11
743.24.10.000.12	743.24.12.000.12	743.24.14.000.12
743.24.10.000.13	743.24.12.000.13	743.24.14.000.13
743.24.11.000.00	743.24.13.000.00	743.24.15.000.00
743.24.11.000.10	743.24.13.000.10	743.24.15.000.10
743.24.11.000.11	743.24.13.000.11	743.24.15.000.11
743.24.11.000.12	743.24.13.000.12	743.24.15.000.12
743.24.11.000.13	743.24.13.000.13	743.24.15.000.13

TECHNICAL DATA SHEET

Asto Standing Partition

General Information



Data

Applicable article numbers

743.24.10.000.00	743.24.11.000.10	743.24.12.000.11	743.24.13.000.12	743.24.14.000.13
743.24.10.000.10	743.24.11.000.11	743.24.12.000.12	743.24.13.000.13	743.24.15.000.00
743.24.10.000.11	743.24.11.000.12	743.24.12.000.13	743.24.14.000.00	743.24.15.000.10
743.24.10.000.12	743.24.11.000.13	743.24.13.000.00	743.24.14.000.10	743.24.15.000.11
743.24.10.000.13	743.24.12.000.00	743.24.13.000.10	743.24.14.000.11	743.24.15.000.12
743.24.11.000.00	743.24.12.000.10	743.24.13.000.11	743.24.14.000.12	743.24.15.000.13

Dimensions[1]

Standard Sizes (Total height including base)	1215 mm / 1455 mm / 1835 mm
Standard Widths	1600 mm / 1800 mm
Custom Solutions (Technical Limits)	Max Panel Height (HP): 2100 mm (Total height with base: 2135 mm). Stability Ratio: HP < 2 x W (The ratio applies to the PET panel height). Note: Mandatory for all perforated patterns.

Material

PET Panel	100% PET (60% post-consumer) in 45 colours
Centerbase	Steel (powder coated black or white)

Weight[2]

PET Panel	4kg/m2 (±10%)	0.82 lbs/ft2 (±10%)
Centerbase	10.60 kg	23.37 lbs

Included

Acoustic panel

Centerbase

Assembly guide

Warranty 10 years[3]

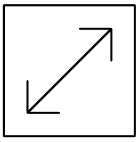
1 - all dimensions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

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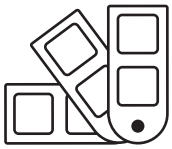
Asto Standing Partition
Specification Guide

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 customized options.

1 Specify your product:



Size



Color



Pattern

2 Article numbers:

Item	Material	Size option	Colour	Pattern
743	24mm	Choose size as shown on p. 5	Choose colour as shown on p. 13	Choose pattern as shown on p. 11

Example: 743.24.12.662.10

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

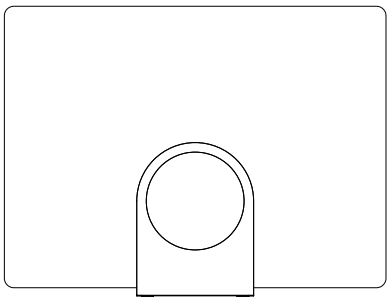
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Asto Standing Partition

Available sizes

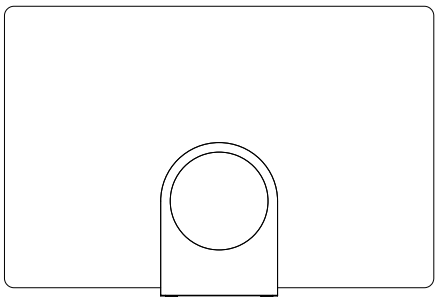
Please note that all sizes are available in four perforated and one plain version.

743.24.**10**.000.XX - Asto Standing Partition



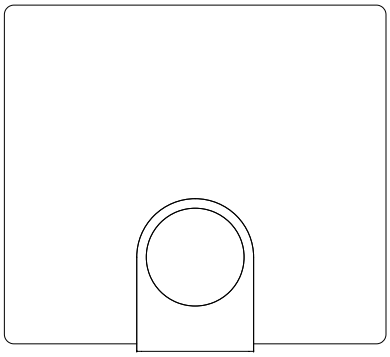
1600x1180
(63.00"x46.46")

743.24.**13**.000.XX - Asto Standing Partition



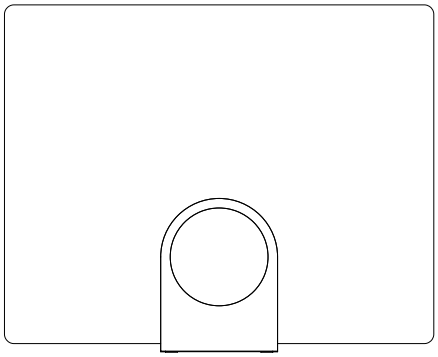
1800x1180
(70.87"x46.46")

743.24.**11**.000.XX - Asto Standing Partition



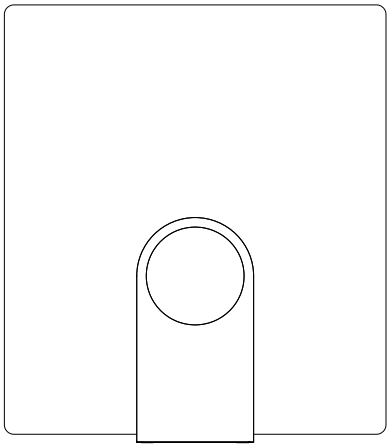
1600x1420
(63.00"x55.90")

743.24.**14**.000.XX - Asto Standing Partition



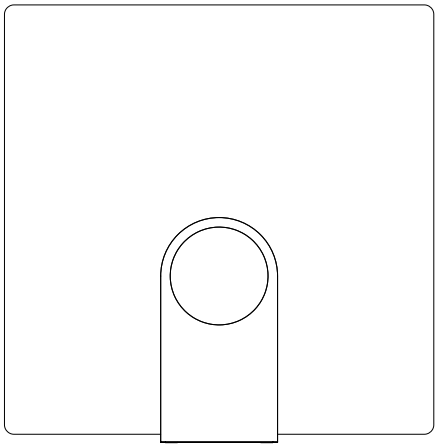
1800x1420
(70.87"x55.90")

743.24.**12**.000.XX - Asto Standing Partition



1600x1800
(63.00"x70.87")

743.24.**15**.000.XX - Asto Standing Partition



1800x1800
(70.87"x70.87")

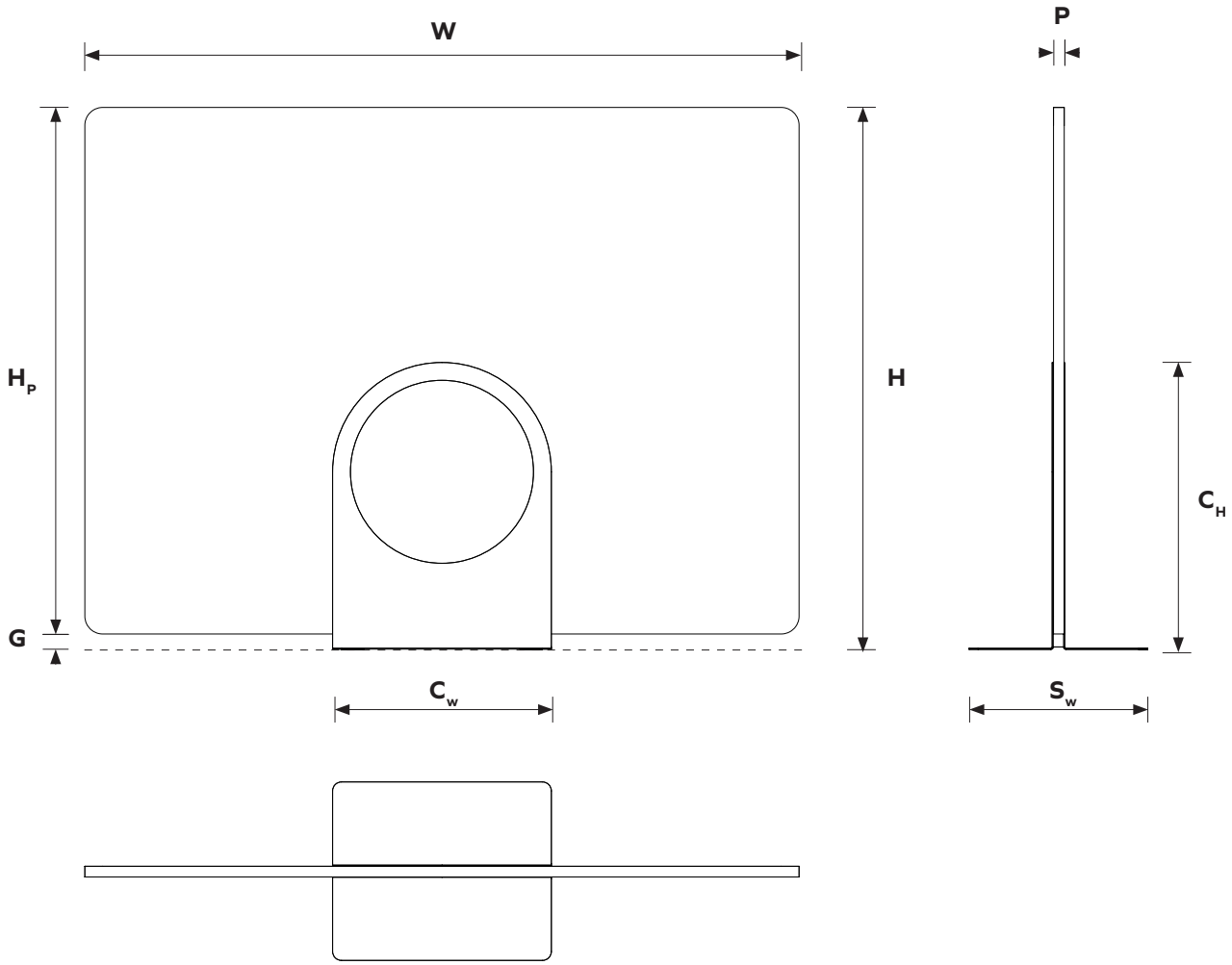
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Asto 1600 x 1180

Custom solutions available

Geometry Information

Asto Standing Partition Plain 743.24.10.000.00



Dimensions table[1]

W	Total width	1600mm	63.00″
H	Total height	1215mm	47.83″
H_P	PET Panel height	1180mm	46.46″
C_W	Centerbase width	490mm	19.29″
C_H	Centerbase height	643mm	23.32″
G	Gap from the ground	35mm	1.38″
S_w	Stand width	400 mm	15.75"

1 - all dimensions are nominal

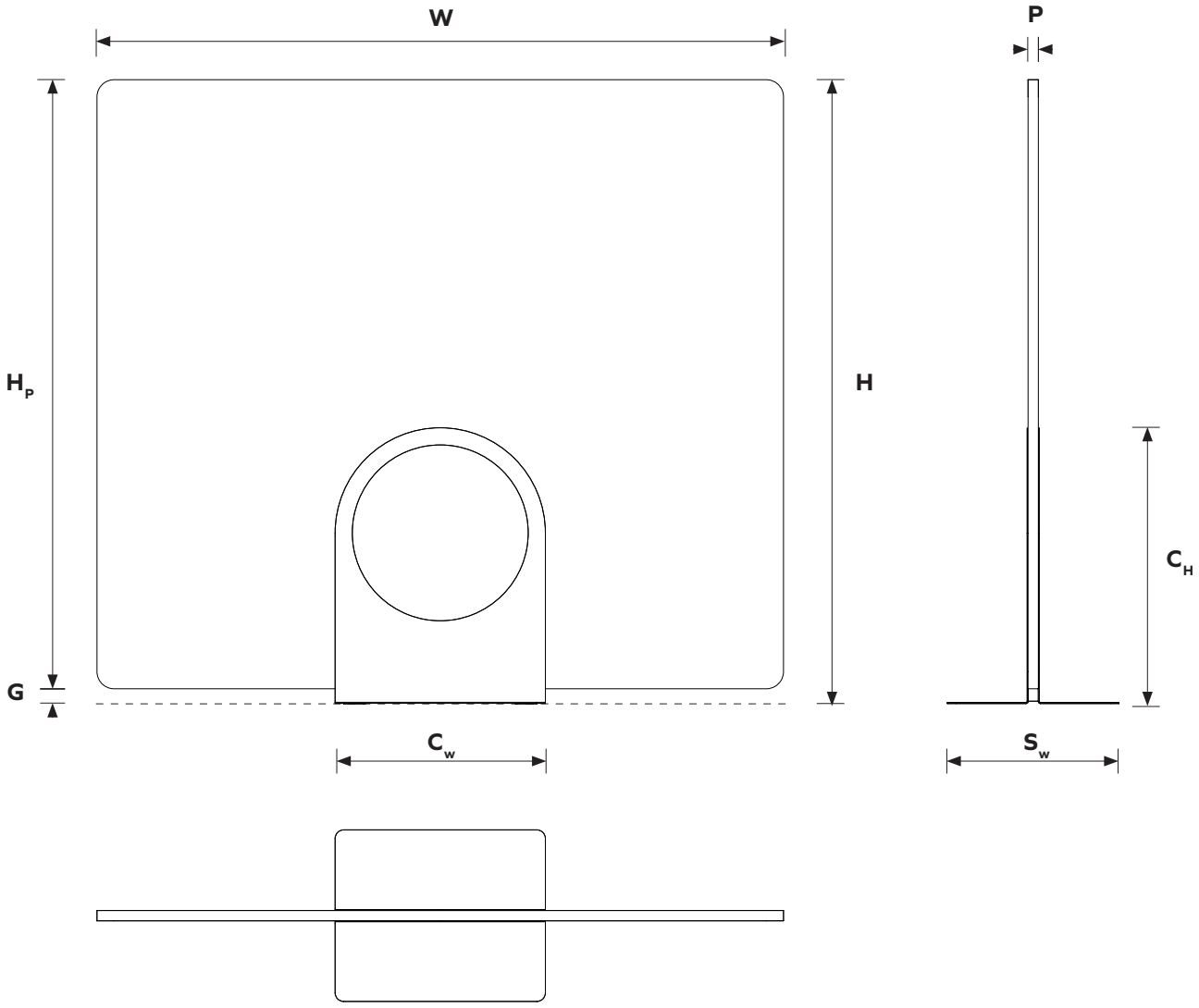
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Asto 1600 x 1420

Custom solutions available

Geometry Information

Asto Standing Partition Plain 743.24.11.000.00



Dimensions table[1]

W	Total width	1600mm	63.00″
H	Total height	1455mm	57.28″
H_P	PET Panel height	1420mm	55.90″
C_W	Centerbase width	490mm	19.29″
C_H	Centerbase height	643mm	23.32″
G	Gap from the ground	35mm	1.38″
S_w	Stand Width	400mm	15.75″

1 - all dimensions are nominal

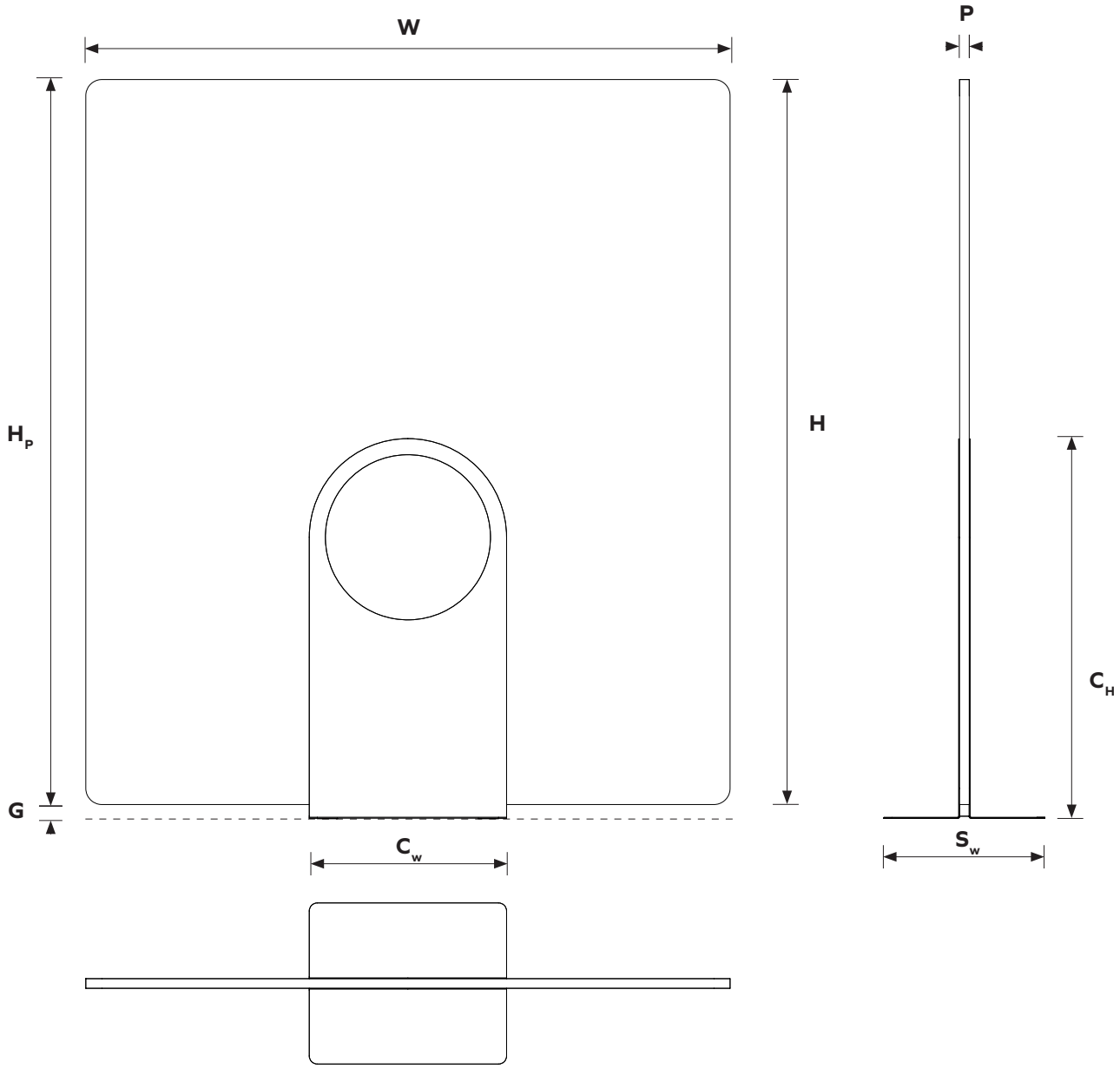
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Asto 1600 x 1800

Custom solutions available

Geometry Information

Asto Standing Partition Plain 743.24.12.000.00



Dimensions table[1]

W	Total width	1600mm	63.00″
H	Total height	1835mm	72.24″
H_P	PET Panel height	1800mm	70.87″
C_W	Centerbase width	490mm	19.29″
C_H	Centerbase height	943mm	37.12″
G	Gap from the ground	35mm	1.38″
S_w	Stand Width	400mm	15.75″

1 - all dimensions are nominal

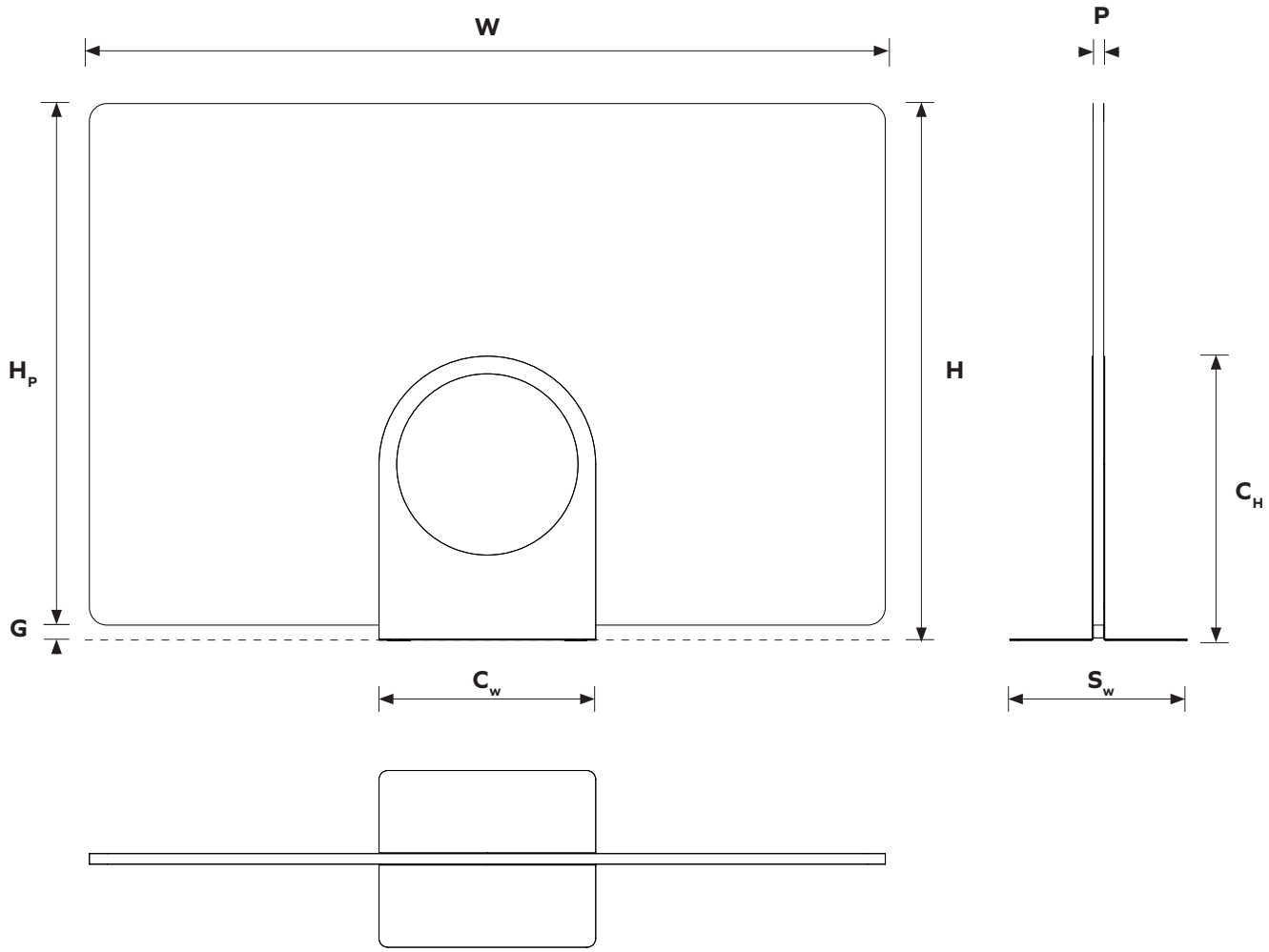
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Asto 1800 x 1180

Geometry Information

Custom solutions available

Asto Standing Partition Plain 743.24.13.000.00



Dimensions table[1]

W	Total width	1800mm	70.87″
H	Total height	1215mm	47.83″
H_P	PET Panel height	1180mm	46.46″
C_W	Centerbase width	490mm	19.29″
C_H	Centerbase height	643mm	23.32″
G	Gap from the ground	35mm	1.38″
S_w	Stand Width	400mm	15.75″

1 - all dimensions are nominal

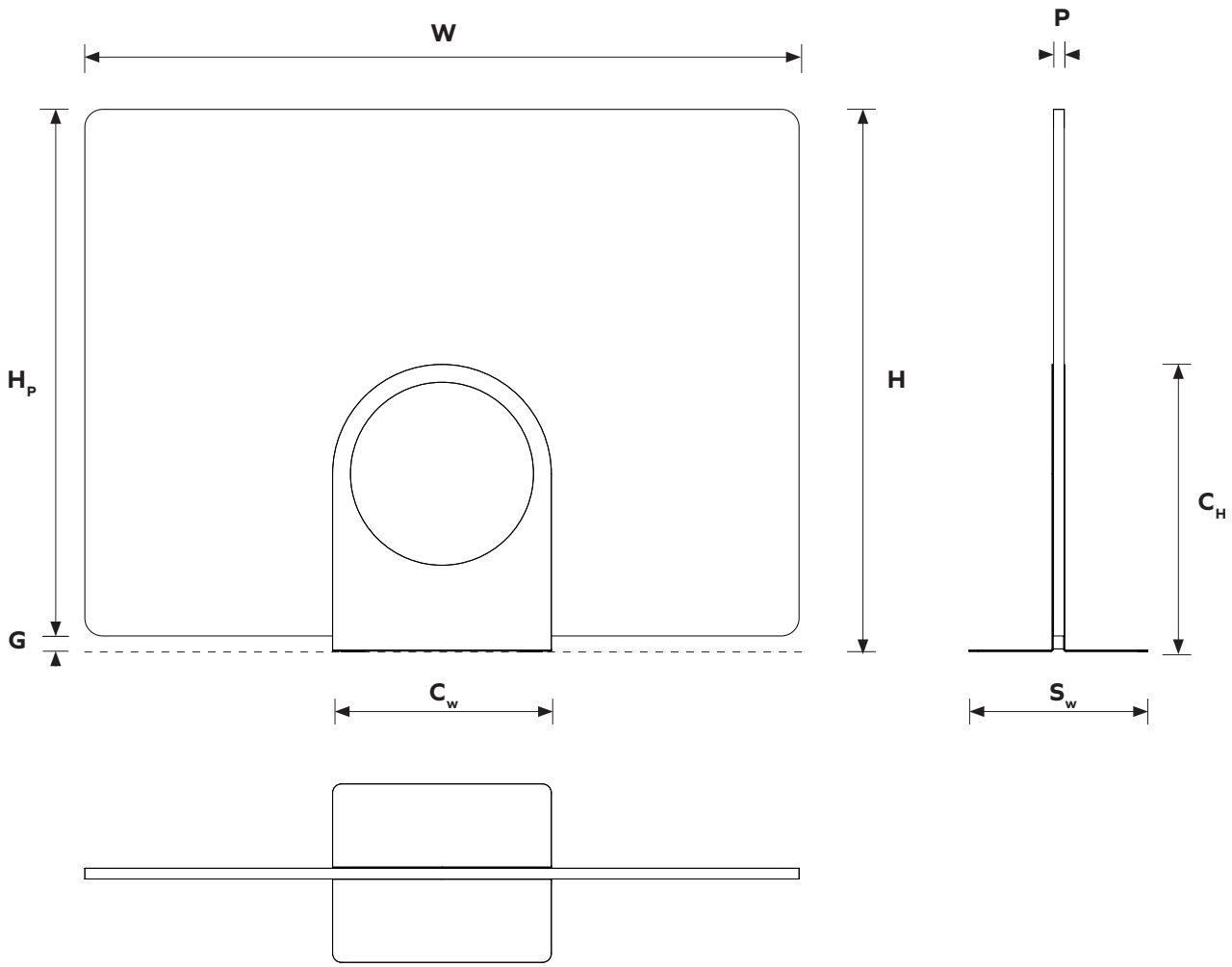
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Asto 1800 x 1420

Custom solutions available

Geometry Information

Asto Standing Partition Plain 743.24.14.000.00



Dimensions table[1]

W	Total width	1800mm	70.87″
H	Total height	1455mm	55.91″
H_P	PET Panel height	1420mm	57.28″
C_W	Centerbase width	490mm	19.29″
C_H	Centerbase height	643mm	23.32″
G	Gap from the ground	35mm	1.38″
S_w	Stand Width	400mm	15.75″

1 - all dimensions are nominal

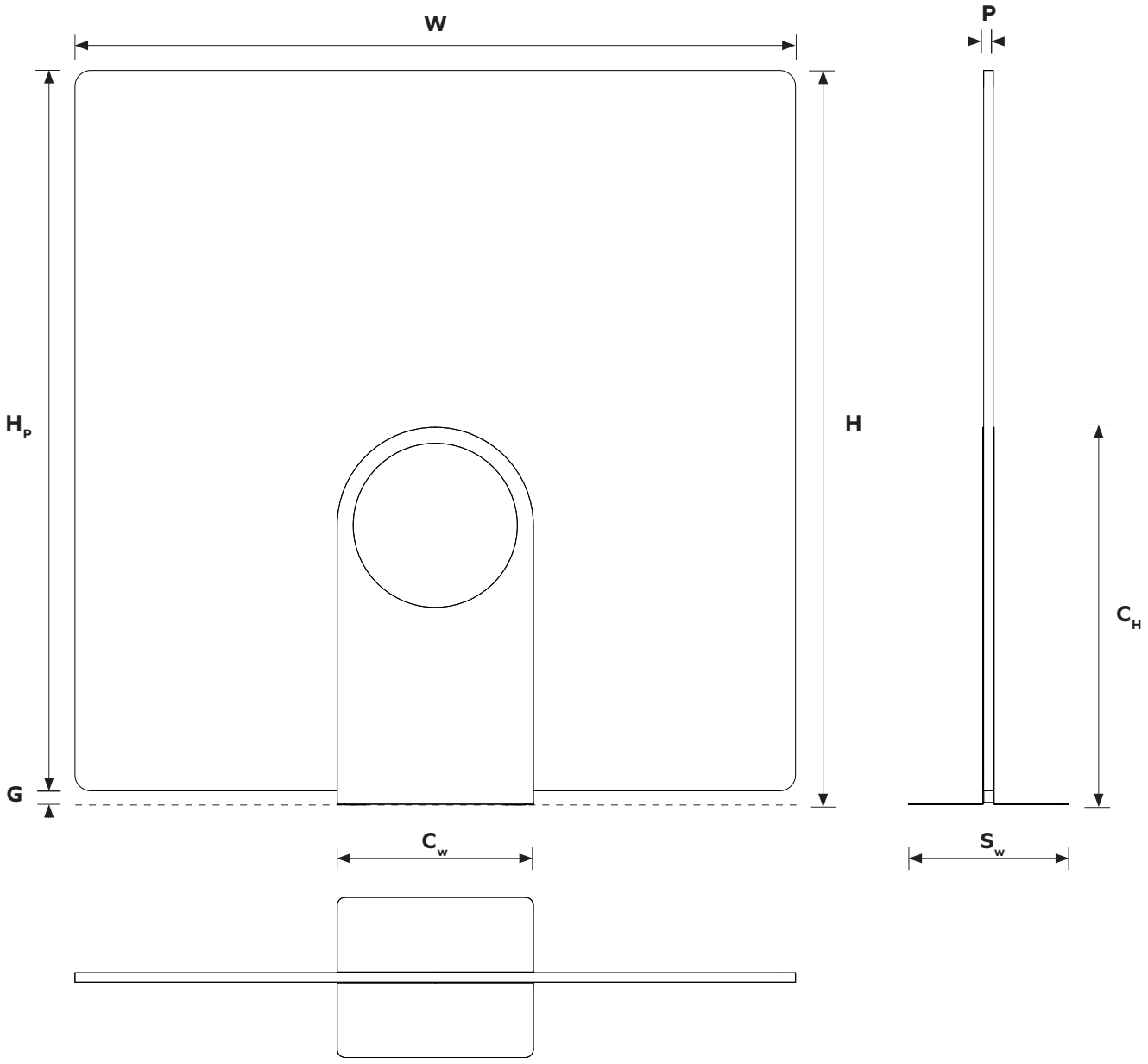
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Asto 1800 x 1800

Custom solutions available

Geometry Information

Asto Standing Partition Plain 743.24.15.000.00



Dimensions table[1]

W	Total width	1800mm	70.87″
H	Total height	1835mm	72.24″
H_P	PET Panel height	1800mm	70.87″
C_W	Centerbase width	490mm	19.29″
C_H	Centerbase height	943mm	37.12″
G	Gap from the ground	35mm	1.38″
S_w	Stand Width	400mm	15.75″

1 - all dimensions are nominal

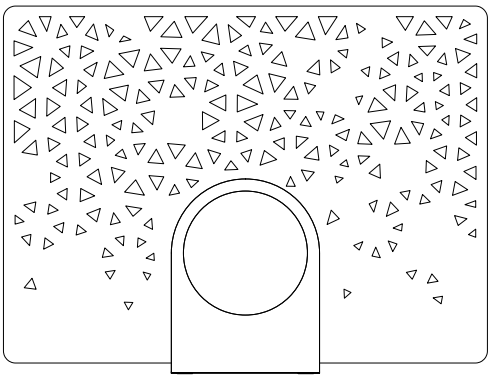
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Asto Standing Partition

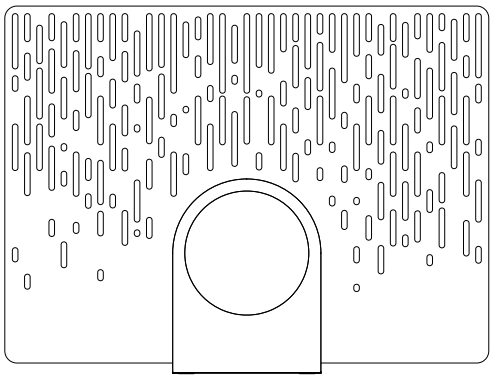
Custom solutions available

Available perforations

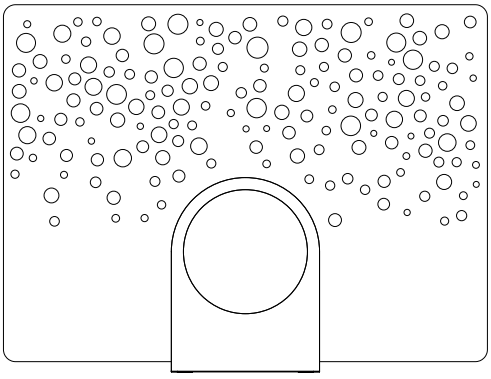
Please note that all patterns are available in six sizes.



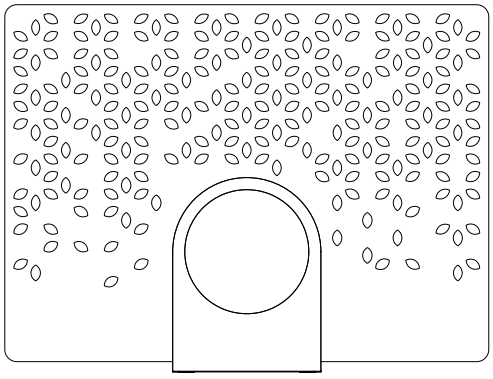
743.24.10.000.**10** - Asto Standing Partition Web



743.24.10.000.**11** - Asto Standing Partition Matrix



743.24.10.000.**12** - Asto Standing Partition Bubbles



743.24.10.000.**13** - Asto Standing Partition Crose

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Asto Standing Partition

Assembly overview

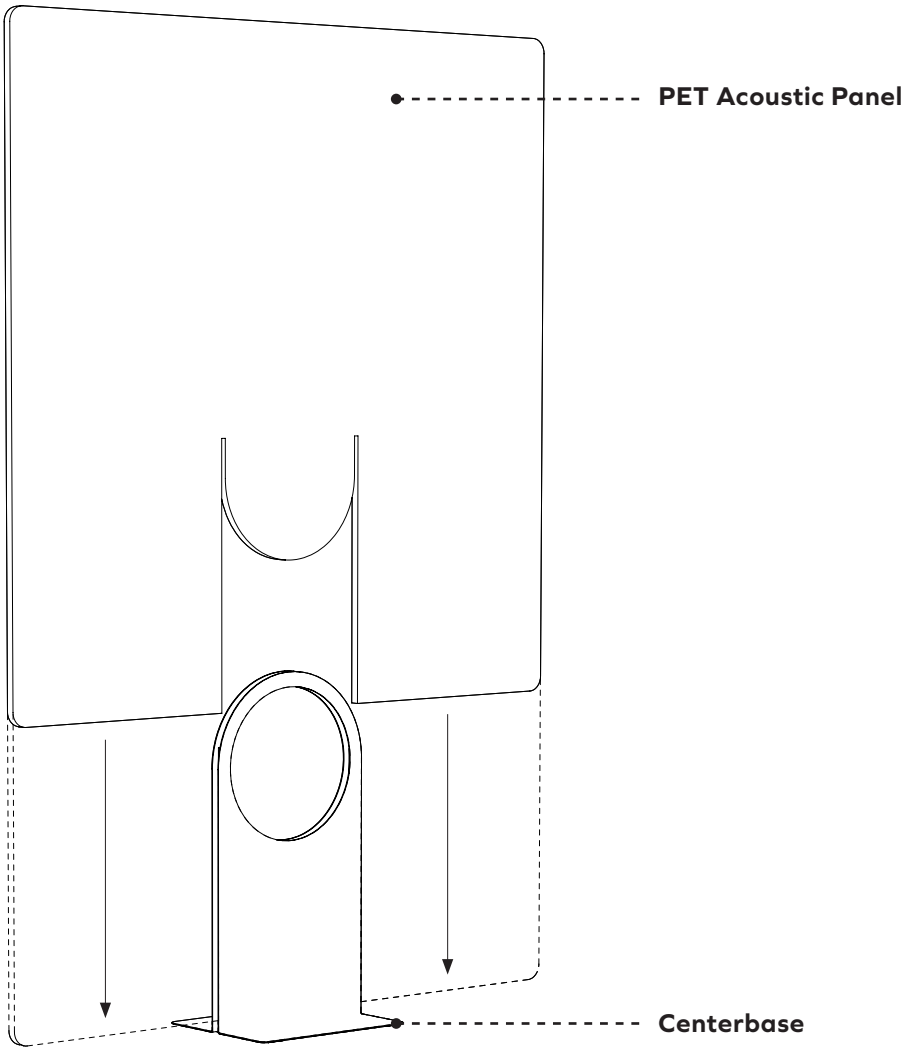
1 Centerbase

Place the centerbase on an even, horizontal surface.

2 PET Acoustic Panel

Slide the acoustic panel into the centerbase as much as possible.

(there should be a gap of around 35mm 1.4" between the ground and the bottom edge of the panel)



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



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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/m^2 (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 m^{2}K/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

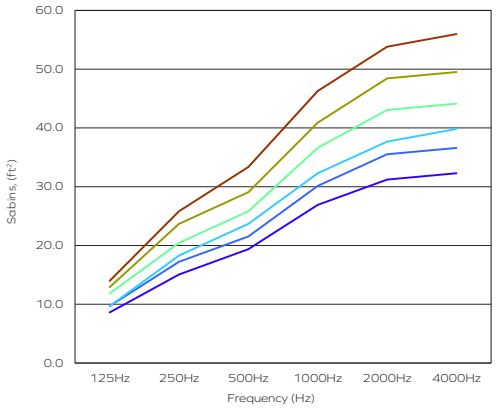
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Asto Standing Partition
Acoustic Performance

University of Stuttgart
Germany

Testing Standards

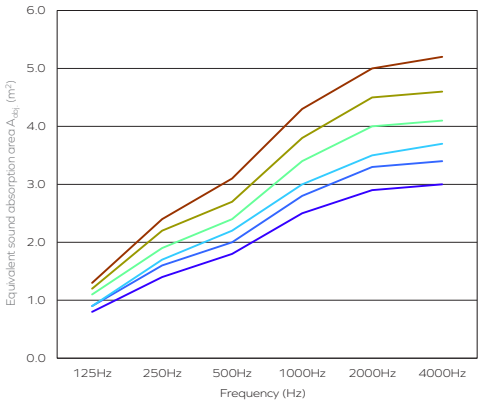
ISO 354:2003	Acoustics — Measurement of sound absorption in a reverberation room
ISO 11654:1997	Acoustics — Sound absorbers for use in buildings — Rating of sound absorption
ISO 20189:2018	Acoustics — Screens, furniture and single objects intended for interior use — Rating of sound absorption and sound 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 Performance - ASTM Sabins , ft²

Frequency (Hz)	125	250	500	1000	2000	4000
24mm Asto 1600mm x 1180mm	8.61	15.07	19.38	26.91	31.22	32.29
24mm Asto 1800mm x 1180mm	9.69	17.22	21.53	30.14	35.52	36.60
24mm Asto 1600mm x 1420mm	9.69	18.30	23.68	32.29	37.67	39.83
24mm Asto 1800mm x 1420mm	11.84	20.45	25.83	36.60	43.06	44.13
24mm Asto 1600mm x 1800mm	12.92	23.68	29.06	40.90	48.44	49.51
24mm Asto 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. Please note this data refers only to the plain option. Acoustic performance of the perforated panels is available upon demand.



Acoustic Performance - ISO A_{obj} , m^2

Frequency (Hz)	125	250	500	1000	2000	4000
24mm Asto 1600mm x 1180mm	0.8	1.4	1.8	2.5	2.9	3.0
24mm Asto 1800mm x 1180mm	0.9	1.6	2.0	2.8	3.3	3.4
24mm Asto 1600mm x 1420mm	0.9	1.7	2.2	3.0	3.5	3.7
24mm Asto 1800mm x 1420mm	1.1	1.9	2.4	3.4	4.0	4.1
24mm Asto 1600mm x 1800mm	1.2	2.2	2.7	3.8	4.5	4.6
24mm Asto 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. Please note this data refers only to the plain option. Acoustic performance of the perforated panels is available upon demand.

- 24mm Asto 1600mm x 1180mm
- 24mm Asto 1800mm x 1180mm
- 24mm Asto 1600mm x 1420mm
- 24mm Asto 1800mm x 1420mm
- 24mm Asto 1600mm x 1800mm
- 24mm Asto 1800mm x 1800mm

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

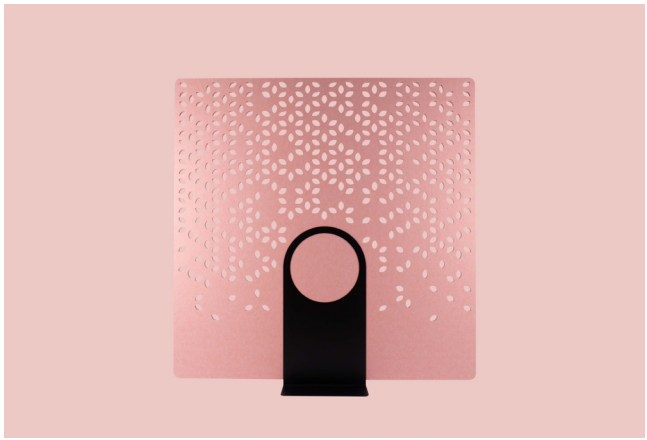
Measurement used Pink Noise as excitation signal in a reverberant room.

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Asto Standing Partition

Inspirations









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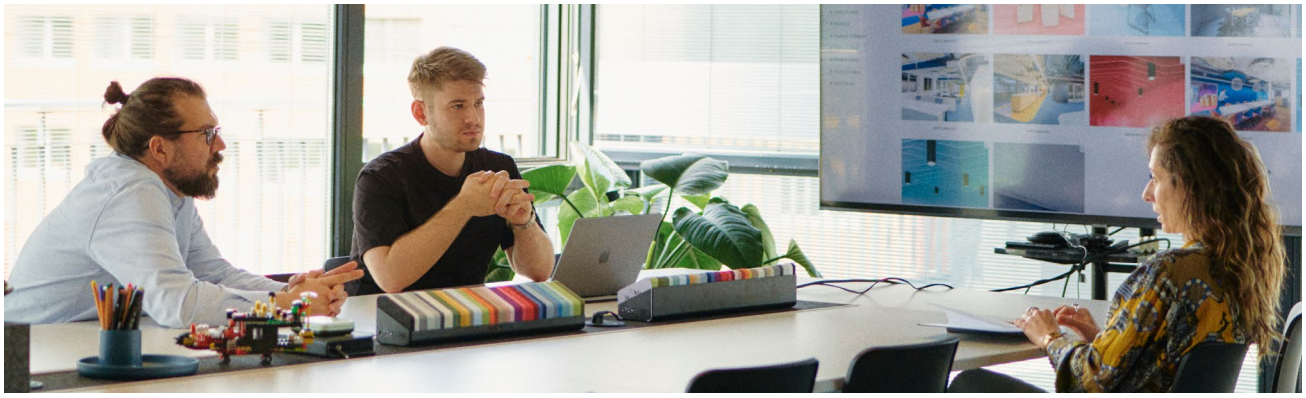
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1 - Quote and Production times may vary.

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