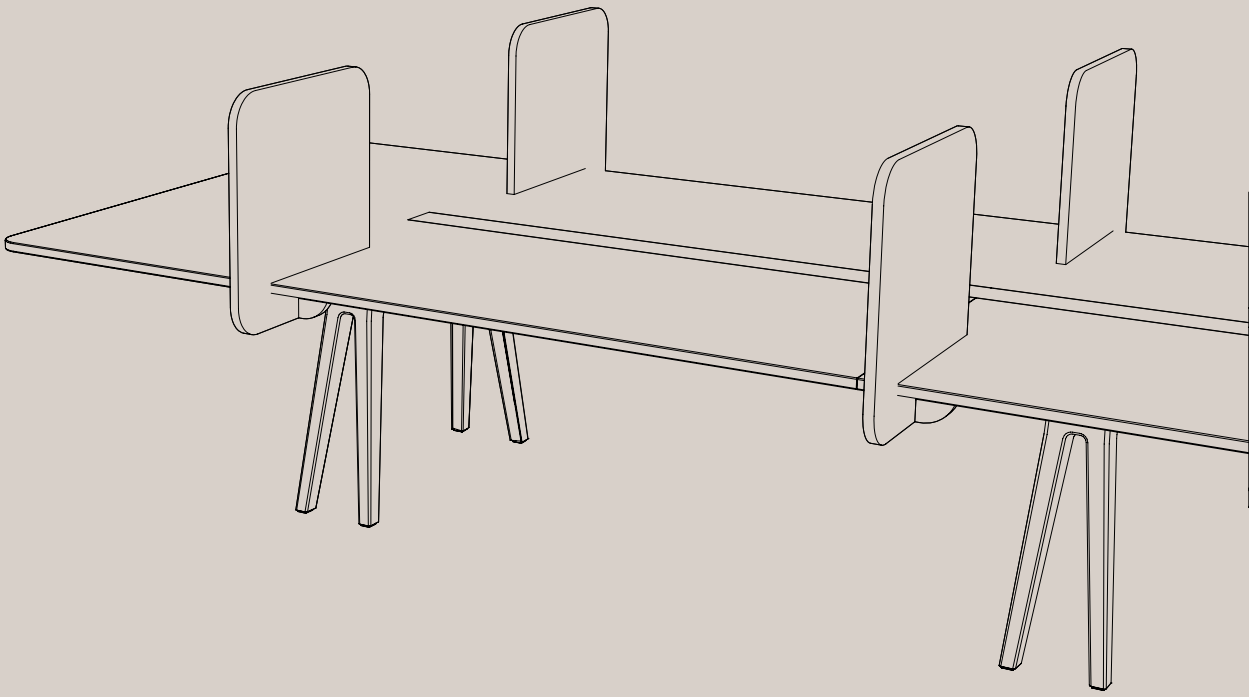
IMPACT ACOUSTIC®



Moby
Desk Division

745.24.82.000.00
745.24.83.000.00

TECHNICAL DATA SHEET

HABITAT MATTER
habitatmatter.com
spec@habitatmatter.com

Moby Desk Division

General Information



Data

Applicable article numbers

745.24.82.000.00 745.24.83.000.00

Dimensions[1]	Moby S Desk Divider		Moby L Desk Divider	
Width	595 mm	23.4″	595 mm	23.4″
Height	592 mm	23.3″	792 mm	31.2″
Panel thickness	24 mm	0.95″	24 mm	0.95″

Material

PET Panel — 100% PET (60% post-consumer) in 45 colours

Extended document available

Weight[2]

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

Included

Acoustic panel

Assembly guide

Warranty 2 years[3]

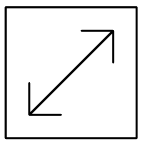
1 - all dimensions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

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Specification Guide

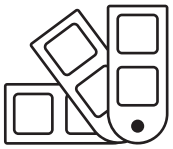
Ensure you make the perfect choice by choosing our solutions for your next project. Explore our range of standard solutions or contact us directly for a more in-depth discussion of personalised customized options.

1 Specify your product:



Size

page 6



Colour

page 7

2 Article numbers:

Item	Material	Size option	Colour
	24mm	Choose size	Choose colour

Example: 745.24.83.000.00
Moby L Desk Divider - 24 mm 595 x 792 - 662 - Poster Red Pattern

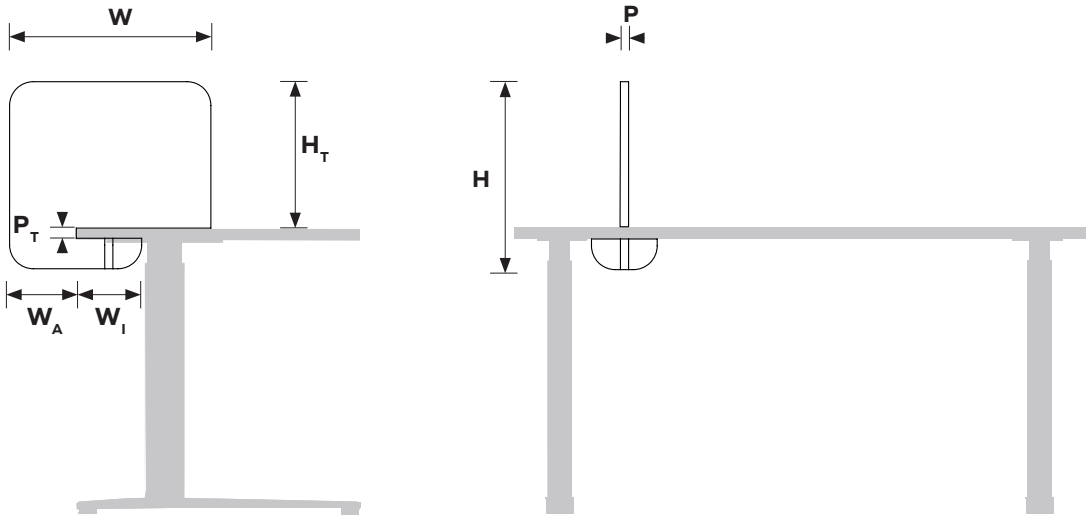
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Moby Desk Division

Custom solutions available

Geometry Information

Moby S Desk Division 745.24.82.000.00



Dimensions table[1]

W	Total width	595 mm	23.4″
W_A	Width above table	139mm	5.5"
W_I	Inserted width on table	236mm	9.3"
H	Total height	592 mm	23.3"
H_T	Height above table	471 mm	18.5″
P	Material thickness	24 mm	0.95″
P_T	Table thickness	24mm	0.95″

Our products are compatible with different table thicknesses. For more information, please contact our sales project manager.

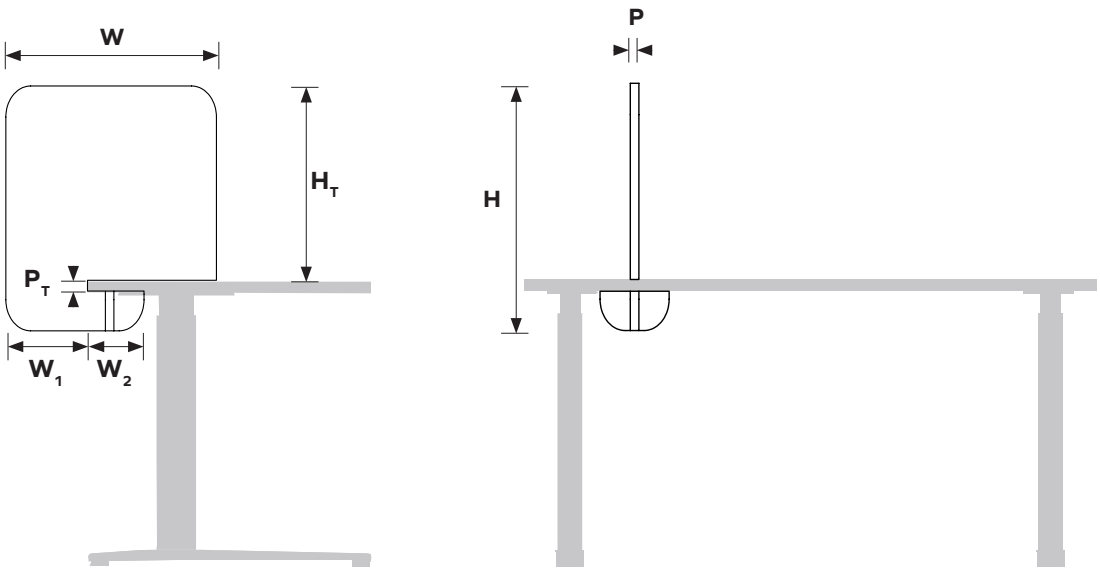
1 - all dimensions are nominal

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Moby Desk Division
Geometry Information

Custom solutions available

Moby L Desk Division 745.24.83.000.00



Dimensions table[1]

W	Total width	595 mm	23.4″
W_A	Width above table	193mm	5.5
W_I	Inserted width on table	221	8.36
H	Total height	792 mm	31.2″
H_T	Height above table	639 mm	25.2″
P	Material thickness	24 mm	0.95″
P_T	Table thickness	24mm	0.95″

Our products are compatible with different table thicknesses. For more information, please contact our sales project manager.

1 - all dimensions are nominal

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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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Moby Desk Division
Acoustic Performance

University of Stuttgart
Germany

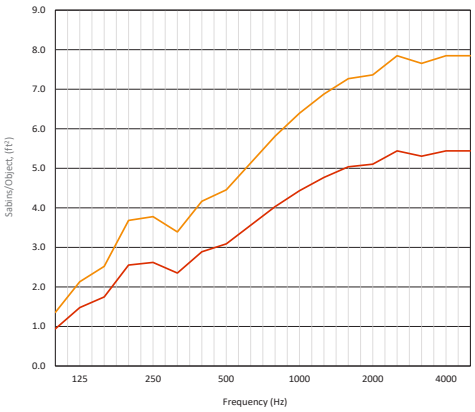
Testing Standards

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 Freestanding Panel 1800x2400mm (Plain)[1]	0.55 (H)	0.57	0.55

1 - Measurement taken with the panel oriented vertically.

The NRC rating is calculated as the average of the absorption coefficients measured at frequencies of 250Hz, 500Hz, 1000Hz and 2000Hz and round to the nearest 0.05. SAA rating is calculated as the average of the sound absorption coefficients of a material for the twelve one-third octave bands from 200Hz through 2500Hz and rounded off to the nearest 0.01.

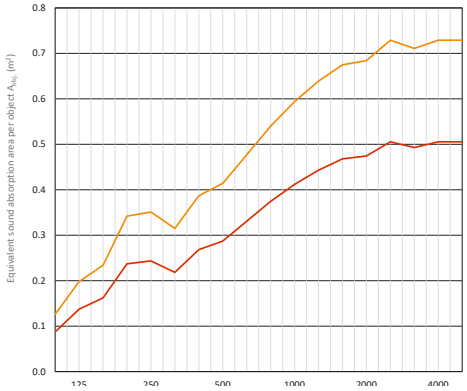


Acoustic Performance - ASTM Sabins , ft^2

Frequency (Hz)	125	250	500	1000	2000	4000
24mm Moby S Desk Divider	1.08	2.15	3.23	4.31	5.38	5.38
24mm Moby L Desk Divider	2.15	3.23	4.31	6.46	7.53	7.53

The graph represents the Sabins (ft^2) in the third octave band center frequencies in accordance with ASTM C423.

- 24mm Moby S Desk Divider
- 24mm Moby L Desk Divider



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

Frequency (Hz)	125	250	500	1000	2000	4000
24mm Moby S Desk Divider	0.1	0.2	0.3	0.4	0.5	0.5
24mm Moby L Desk Divider	0.2	0.3	0.4	0.6	0.7	0.7

The graph represents the equivalent sound absorption area per object (A_{obj}) in the third octave band center frequencies in accordance with ISO 20189. Measurement used Pink Noise as excitation signal in a reverberant room.

- 24mm Moby S Desk Divider
- 24mm Moby L Desk Divider

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