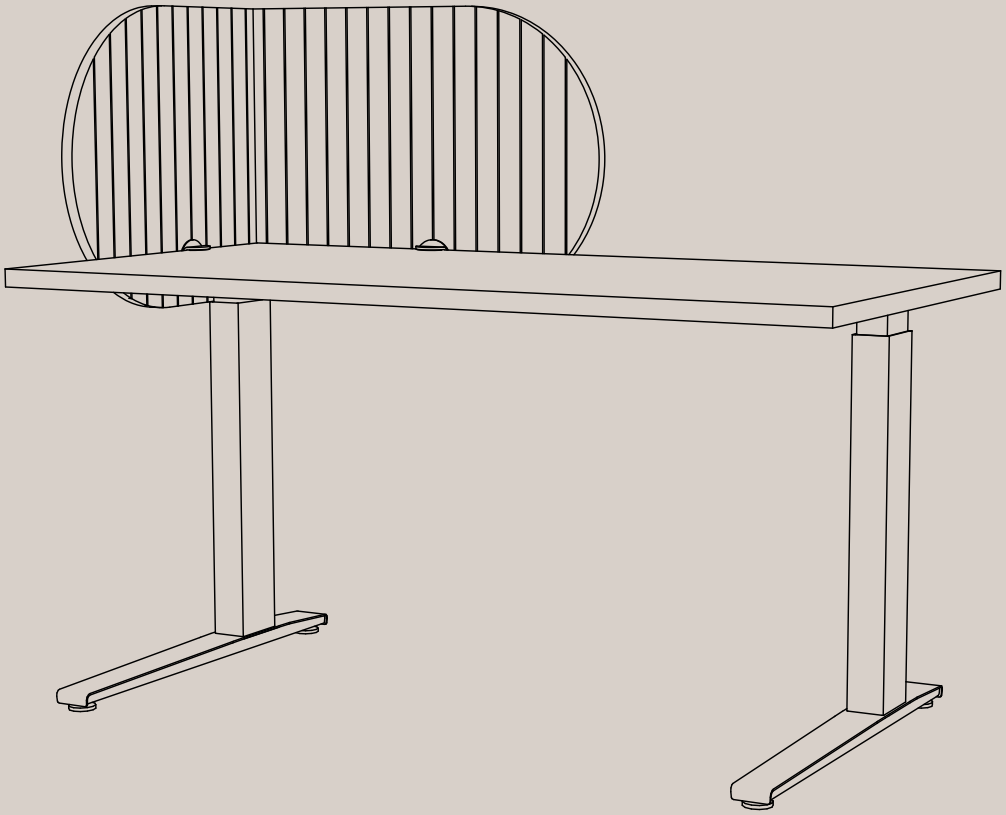
IMPACT ACOUSTIC®

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spec@habitatmatter.com



Half Moon
Desk Division

745.24.70.000.00
745.24.71.000.00

TECHNICAL DATA SHEET

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Half Moon Desk Division

General Information



Data

Applicable article numbers

745.24.70.000.00	745.24.71.000.00

Dimensions[1]

Width	790 mm	31.10”
Height	590 mm	23.23”
Panel thickness	24 mm	0.94”

Material

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

Extended document available

Weight[2]

PET Panel	4kg/m2 (±10%)	0.82 lbs/ft2 (±10%)
Adapter	0.32 g	705 lbs

Included

Acoustic panel	Adapter (2x)	Assembly guide	Warranty 2 years[3]

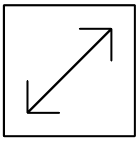
1 - all dimensions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

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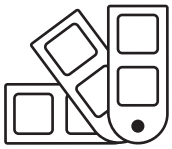
Half Moon Desk Division
Specification Guide

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



Color



Pattern

2 Article numbers:

Item	Material	Size option	Color	Pattern
745	24mm	Choose size	Choose color	Choose pattern

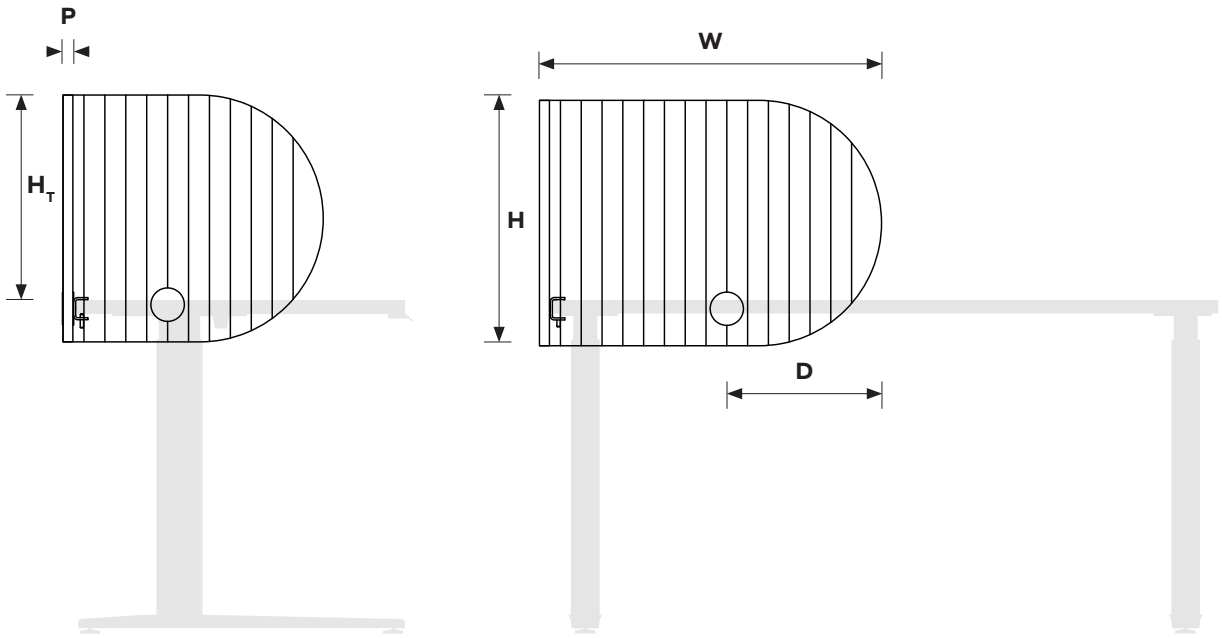
Example: 745.24.70.662.00
Desk Dividers - Half Moon, 24 mm 790x 590 - 662 - Poster Red

Half Moon Desk Division

Geometry Information

Custom solutions available

Half Moon Left Desk Division 745.24.70.000.00



Dimensions table[1]

W	Total width	790 mm	31.10 "
H	Total height	590 mm	23.23 "
H_T	Height above table	480 mm	18.90 "
P	Material thickness	24 mm	0.94 "

1 - all dimensions are nominal

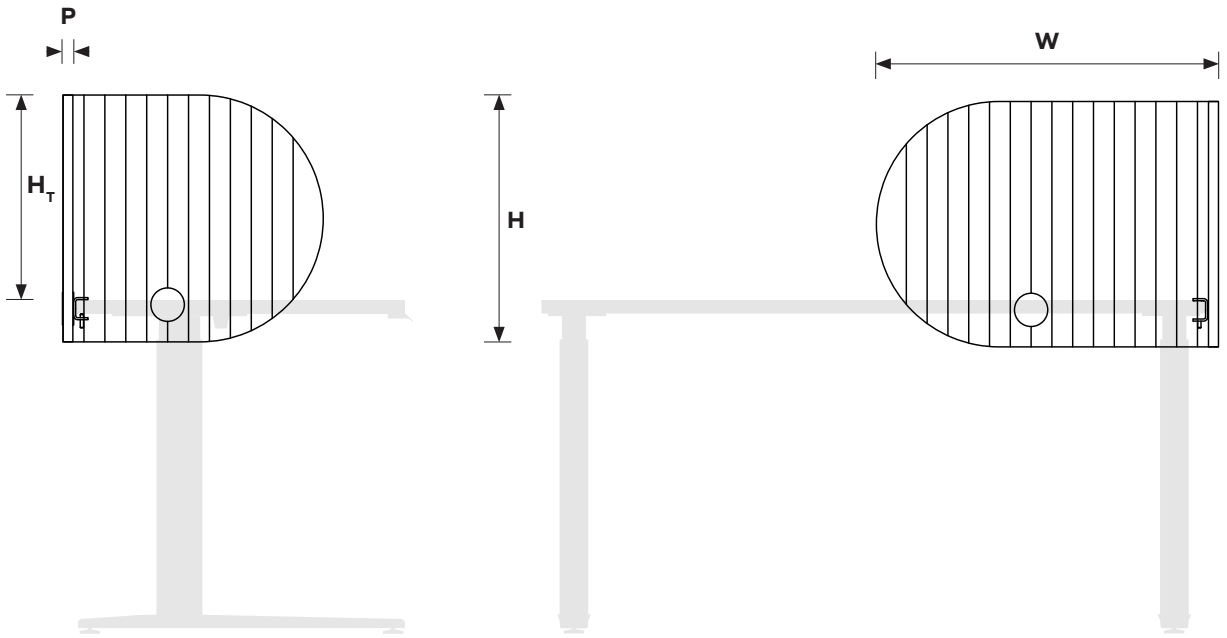
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Half Moon Desk Division

Geometry Information

Custom solutions available

Half Moon Right Desk Division 745.24.71.000.00



Dimensions table[1]

W	Total width	790 mm	31.10 ″
H	Total height	590 mm	23.23 ″
H_T	Height above table	480 mm	18.90 ″
P	Material thickness	24 mm	0.94 ″

1 - all dimensions are nominal

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ARCHISONIC®
Colors

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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	Deap 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



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ARCHISONIC® Felt
Material Specification

Product Name	Archisonic® Felt	
Content	100% PET (60% certified post-consumer content)	
Thickness[1]	12mm (0.47")	24mm (0.94")
Max. Size	1200x2800mm (47"x110")	1800x2400mm (70"x94")
Acoustic[2]	**ASTM:** NRC=0.6 **ISO**: αw=0.65	**ASTM**: NRC=0.9 **ISO**: αw=0.95
Density[1]	2400 g/m² (0.49 lbs/ sqft)	4000 g/m² (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 time[3]	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** Breeam® (International, UK, NL, SE, NOR) **Examplary** 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

Half Moon Desk Division
Acoustic Performance

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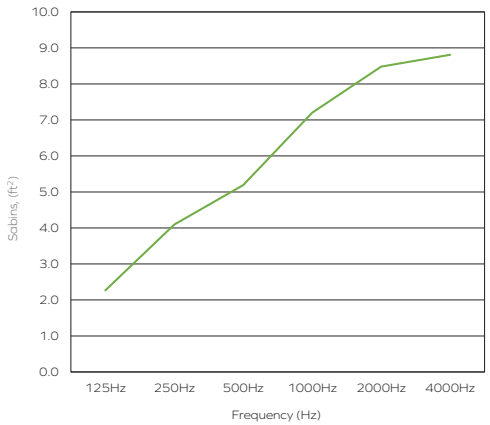
University of Stuttgart
Germany

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.

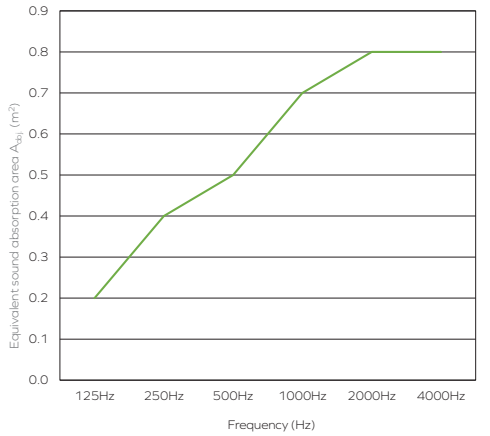


Acoustic Performance - ASTM Sabins , ft^2

Frequency (Hz)	125	250	500	1000	2000	4000
24mm Half Moon(Right)	2.27	4.09	5.19	7.20	8.48	8.81
24mm Half Moon(Left)	2.27	4.09	5.19	7.20	8.48	8.81

The graph represents the Sabins (ft^2) 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 Half Moon(Right) and 24mm Half Moon(Left)



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

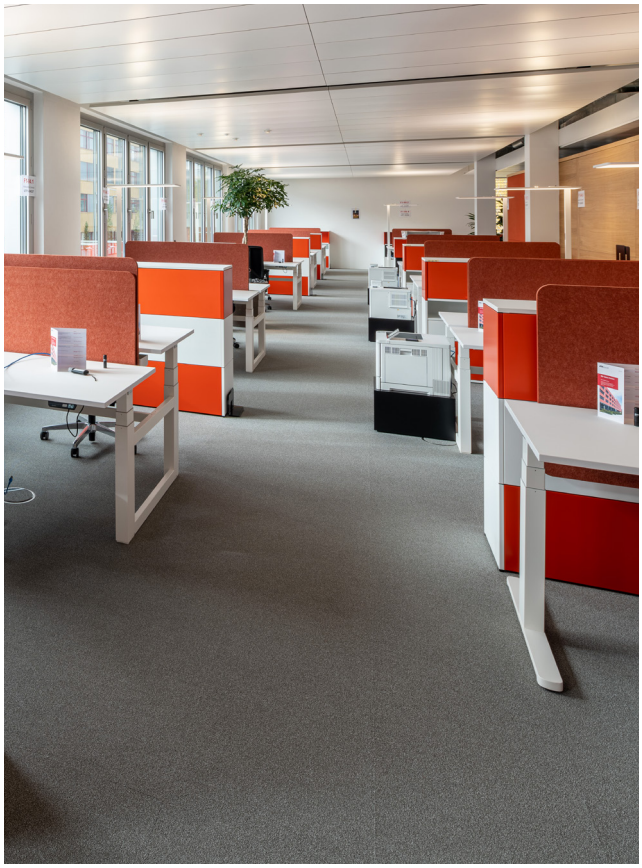
Frequency (Hz)	125	250	500	1000	2000	4000
24mm Half Moon(Right)	0.2	0.4	0.5	0.7	0.8	0.8
24mm Half Moon(Left)	0.2	0.4	0.5	0.7	0.8	0.8

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 Half Moon(Right) and 24mm Half Moon(Left)

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Reference Projects









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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.

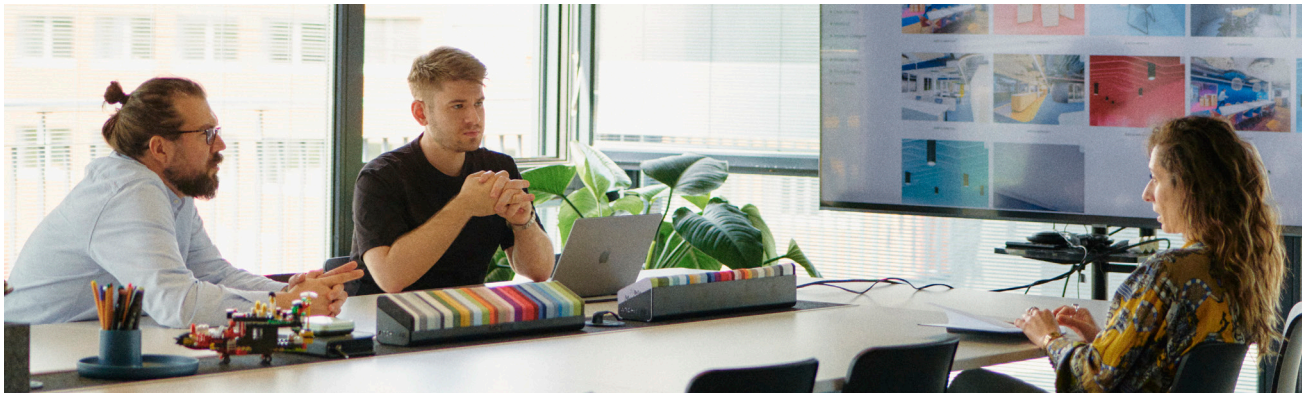
Ordering Process

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 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 → Dispach → 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.



1 - Quote and Production times may vary.

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#We MakeAn Impact