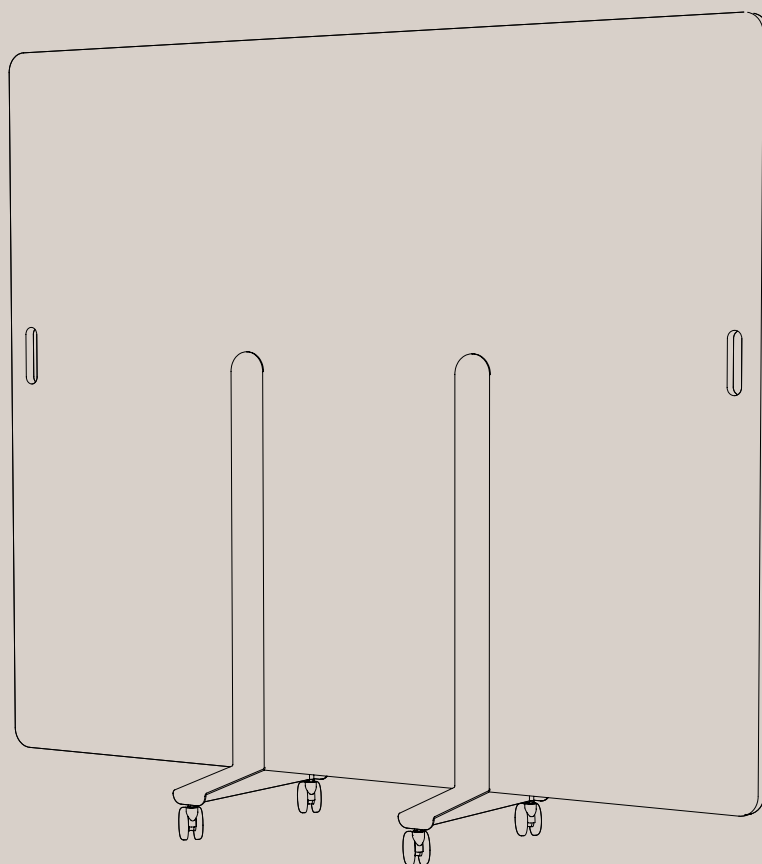


IMPACT ACOUSTIC®



# 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

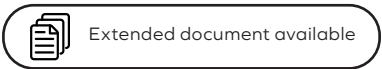
744.24.10.000.00 744.24.11.000.00

#### Dimensions<sup>1</sup>

|                 | 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            |  |

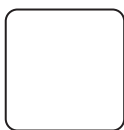


#### Weight<sup>2</sup>

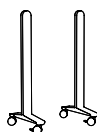
|            |               |                     |
|------------|---------------|---------------------|
| PET Panel  | 4kg/m2 (±10%) | 0.82 lbs/ft2 (±10%) |
| Stand legs | 10kg          | 22 lbs              |

### Included

Acoustic panel



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



Assembly guide



Warranty 10 years<sup>3</sup>



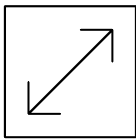
1 - all dimensions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

# 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.

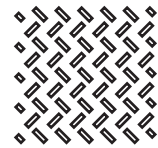
### 1 Specify your product:



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 |

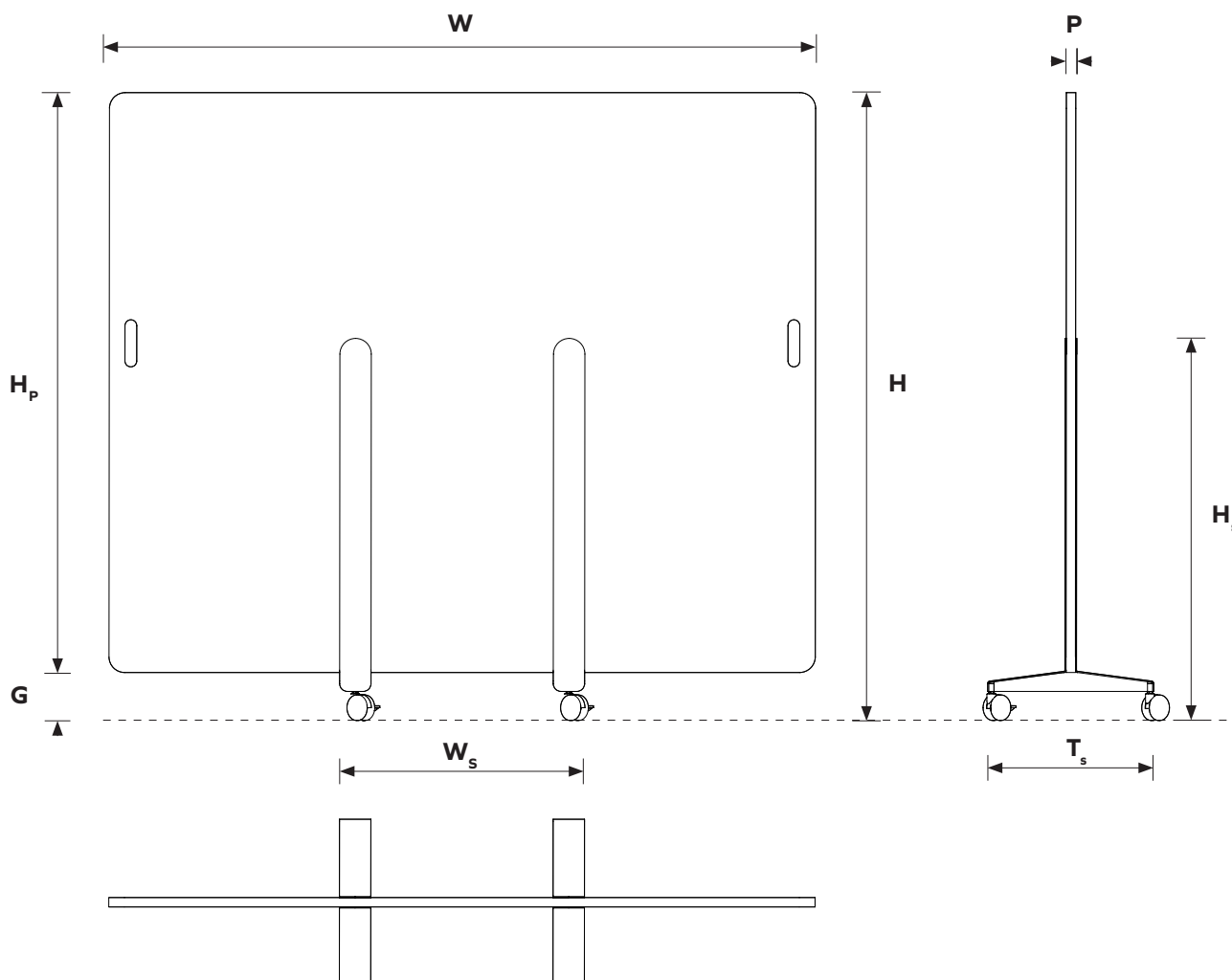
**Example: 744.24.10.662.10**

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 table<sup>1</sup>

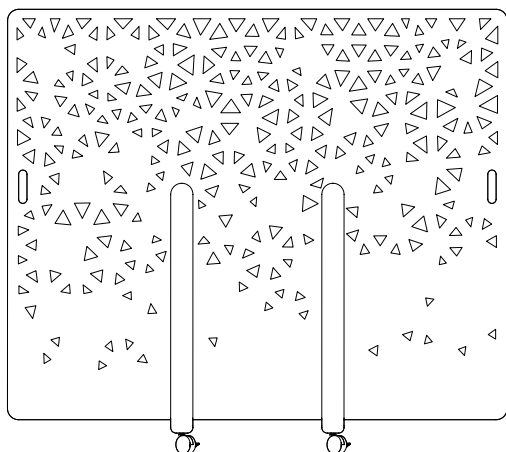
|                      |                     |        |        |                   |
|----------------------|---------------------|--------|--------|-------------------|
| <b>W</b>             | Total width         | 1800mm | 70.87" |                   |
| <b>H</b>             | Total height        | 1600mm | 63.00" | including casters |
| <b>H<sub>p</sub></b> | PET Panel height    | 1478mm | 58.19" |                   |
| <b>H<sub>s</sub></b> | Stand height        | 974mm  | 38.35" | including casters |
| <b>W<sub>s</sub></b> | Stand width         | 625mm  | 24.60" |                   |
| <b>T<sub>s</sub></b> | Stand thickness     | 423mm  | 16.65" | excluding casters |
| <b>G</b>             | Gap from the ground | 122mm  | 4.80"  |                   |
| <b>P</b>             | PET Panel thickness | 24mm   | 0.94"  |                   |

1 - all dimensions are nominal

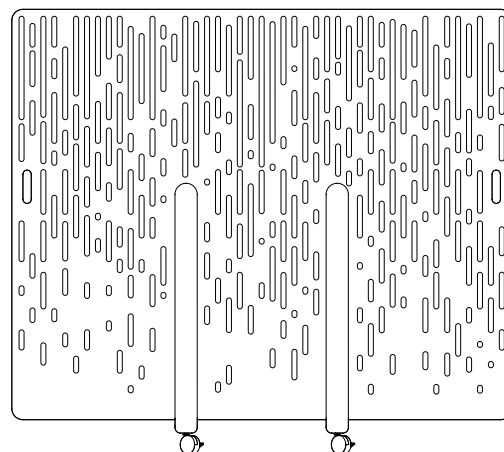
# Motus Standing Partition

## Available perforations

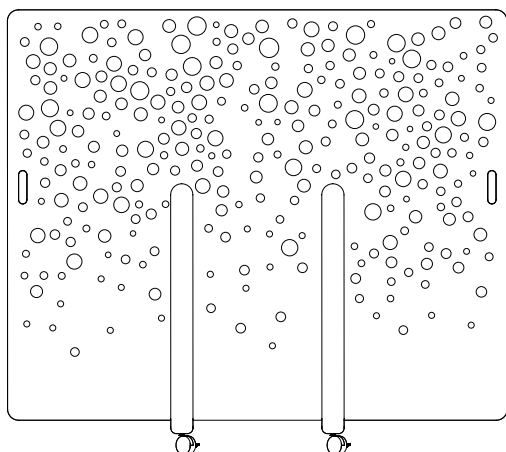
Please note that all patterns are available in six sizes. See next page for sizes options.



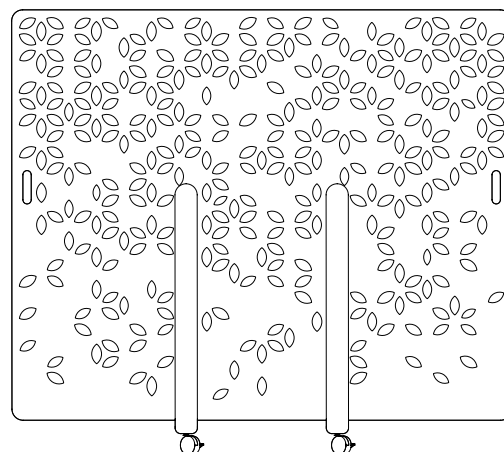
744.24.10.000.10 - Motus Standing Partition Web



744.24.10.000.11 - Motus Standing Partition Matrix



744.24.10.000.12 - Motus Standing Partition Bubbles

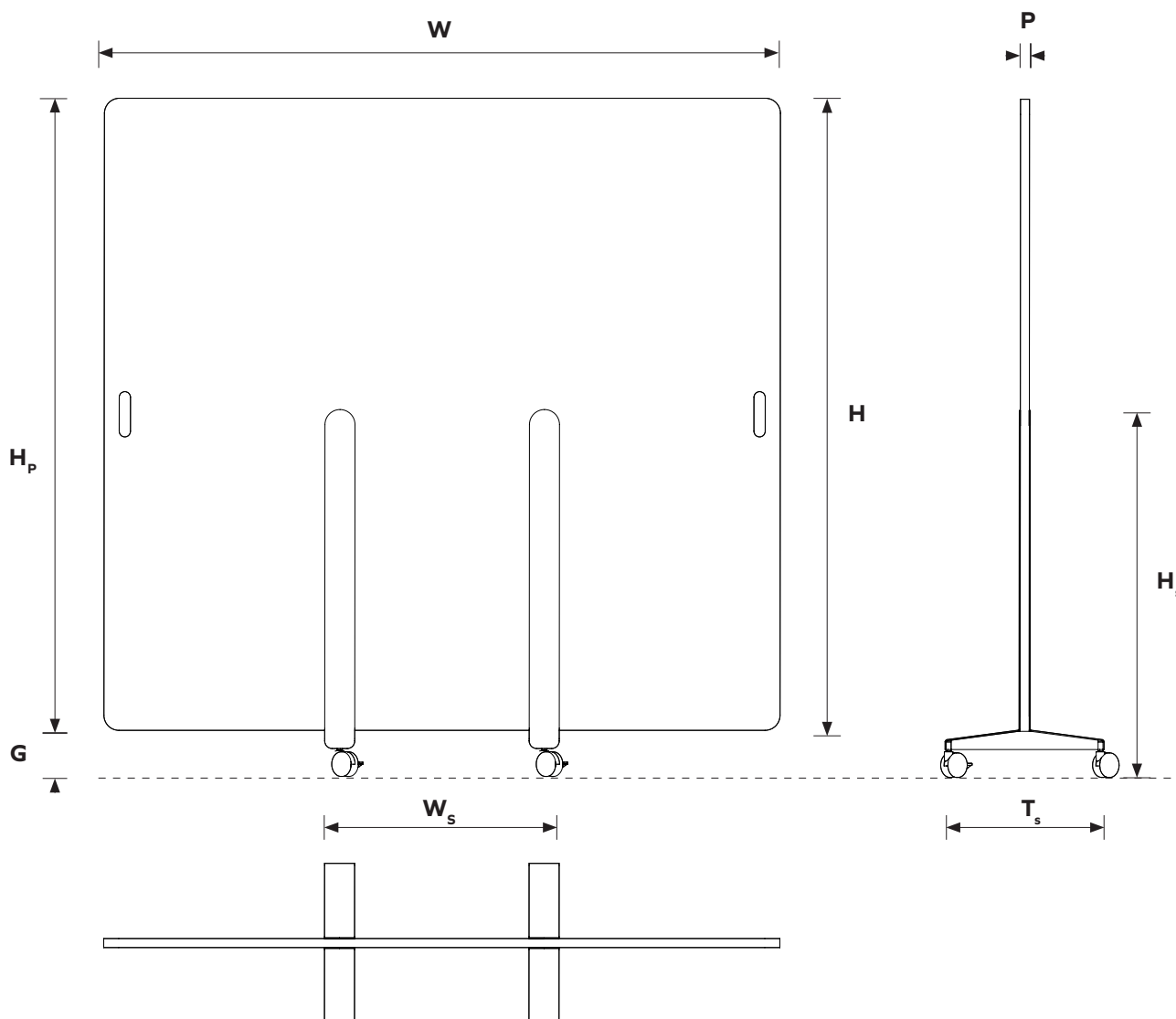


744.24.10.000.13 - Motus Standing Partition Crose

# Motus Standing Partition

## Geometry Information

### Motus Standing Partition Plain 744.24.11.000.00



Dimensions table<sup>1</sup>

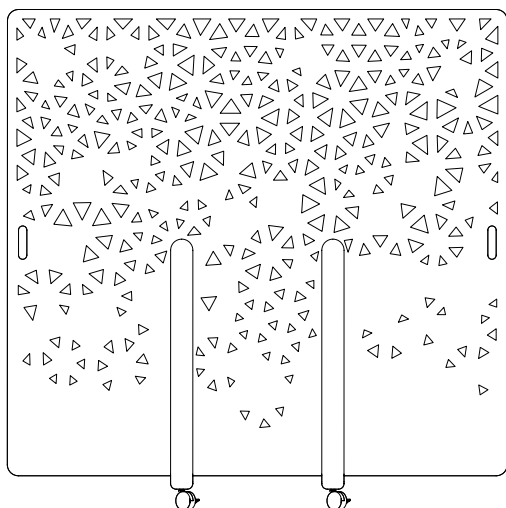
|                      |                     |        |        |                   |
|----------------------|---------------------|--------|--------|-------------------|
| <b>W</b>             | Total width         | 1800mm | 70.87" |                   |
| <b>H</b>             | Total height        | 1800mm | 70.87" | including casters |
| <b>H<sub>p</sub></b> | PET Panel height    | 1678mm | 66.06" |                   |
| <b>H<sub>s</sub></b> | Stand height        | 974mm  | 38.35" | including casters |
| <b>W<sub>s</sub></b> | Stand width         | 625mm  | 24.60" |                   |
| <b>T<sub>s</sub></b> | Stand thickness     | 423mm  | 16.65" | excluding casters |
| <b>G</b>             | Gap from the ground | 122mm  | 4.80"  |                   |
| <b>P</b>             | PET Panel thickness | 24mm   | 0.94"  |                   |

1 - all dimensions are nominal

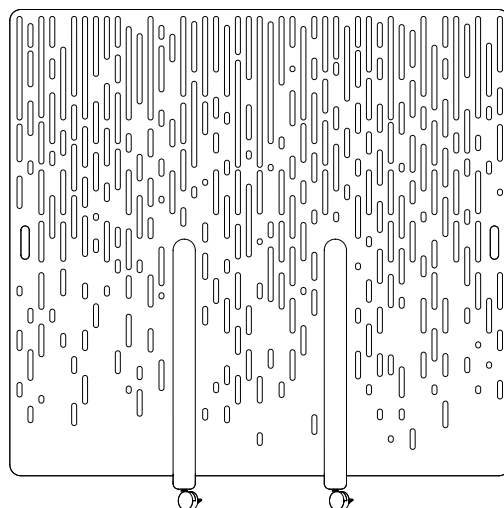
# Motus Standing Partition

## Available perforations

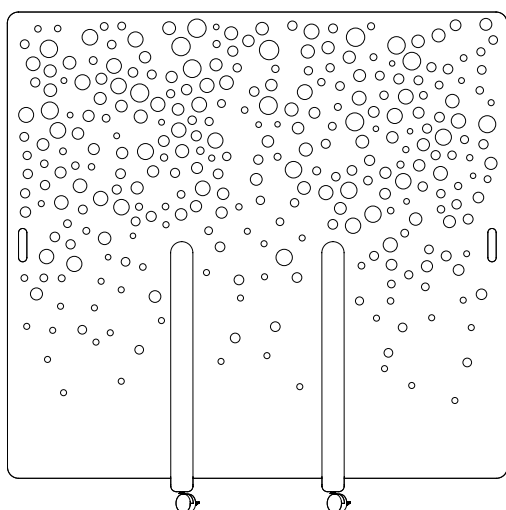
Please note that all patterns are available in six sizes. See next page for sizes options.



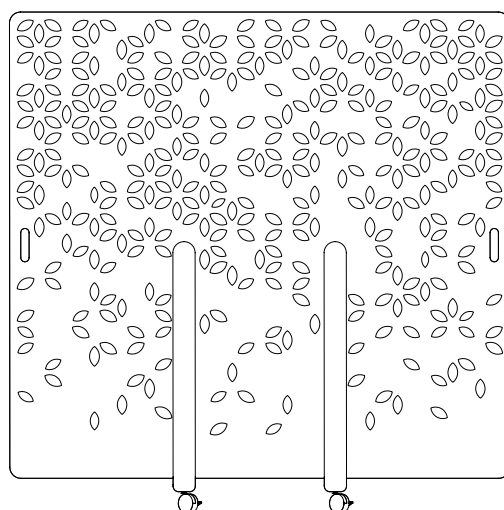
744.24.11.000.10 - Motus Standing Partition Web



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

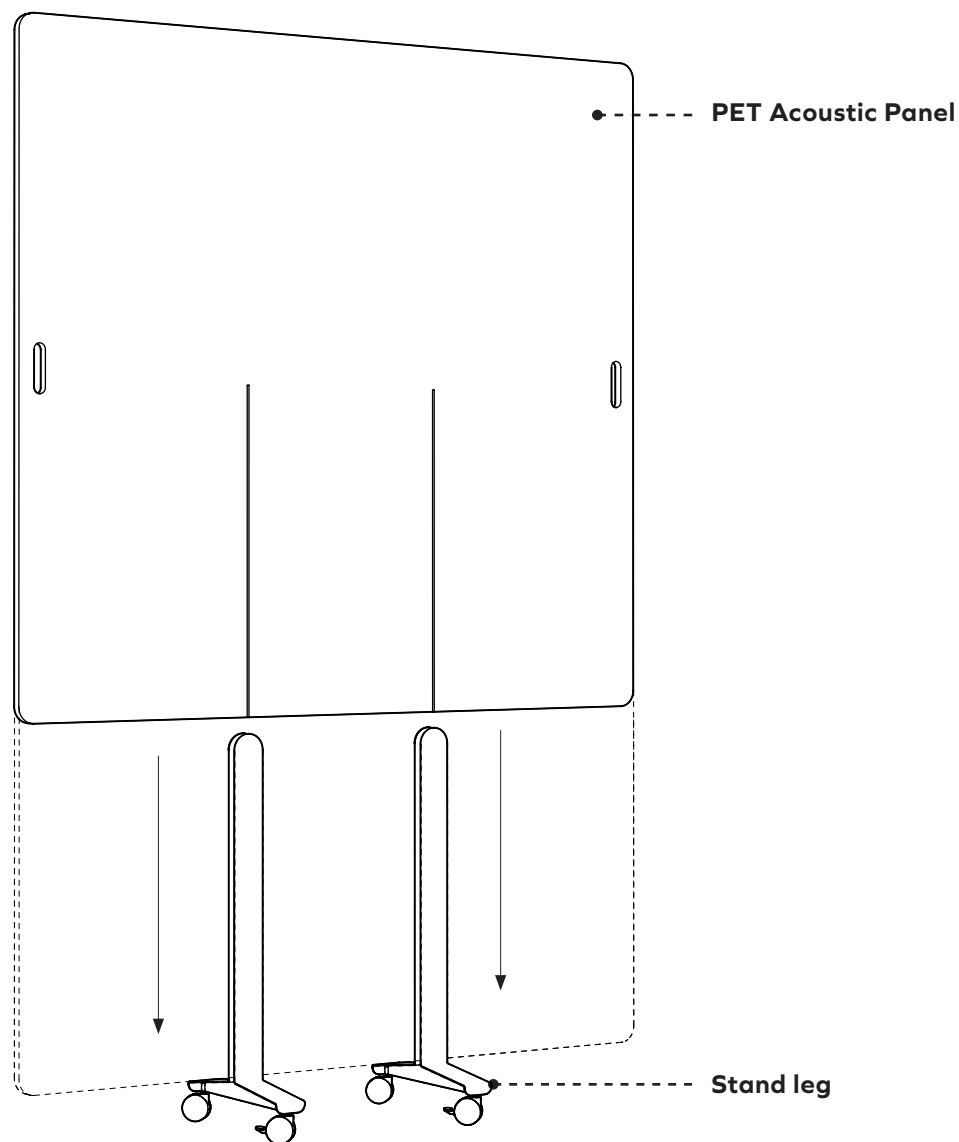
## Assembly overview

### 1 Stand legs

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

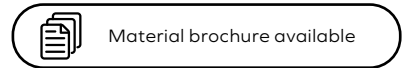
### 2 PET Acoustic Panel

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 <sup>S</sup> | Jute        | Fallow <sup>S</sup> | Warm Stone  | Truffle <sup>S</sup> | 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 <sup>S</sup> | 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 <sup>S</sup> | Winter Sky   | Deep Sea    | Nocturne <sup>S</sup> | True Navy | Ice Blue | Pacific Ocean | Lagoon <sup>S</sup> |
| 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 <sup>S</sup> | Nordic Pine | Moss        | Grove       | Pistachio <sup>S</sup> | 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

|                                         |                                                                                                                                                                                                                                                                                                               |                         |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <b>Product Name</b>                     | ARCHISONIC® Felt                                                                                                                                                                                                                                                                                              |                         |
| <b>Content</b>                          | 100% PET (60% certified post-consumer content)                                                                                                                                                                                                                                                                |                         |
| <b>Thickness<sup>1</sup></b>            | 24mm (0.94")                                                                                                                                                                                                                                                                                                  |                         |
| <b>Max. Size</b>                        | 1800x2400mm (70"x94")                                                                                                                                                                                                                                                                                         |                         |
| <b>Acoustic<sup>2</sup></b>             | <b>ASTM:</b> NRC=0.9 <b>ISO:</b> $\alpha_w$ =0.95                                                                                                                                                                                                                                                             |                         |
| <b>Density<sup>1</sup></b>              | 4000 g/m <sup>2</sup> (0.82 lbs/sqft)                                                                                                                                                                                                                                                                         |                         |
| <b>Colour Fastness</b>                  | <b>Class 6</b> ISO 105-B02:A1                                                                                                                                                                                                                                                                                 |                         |
| <b>Colours and finishes</b>             | <b>45 colours</b> (see ARCHISONIC® Felt Colour page for more information)                                                                                                                                                                                                                                     |                         |
| <b>Maintenance</b>                      | 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.                                                                                 |                         |
| <b>Lead time<sup>3</sup></b>            | 21 days                                                                                                                                                                                                                                                                                                       |                         |
| <b>Fire Rating<sup>4</sup></b>          | DIN EN 13501-1: <b>B-s1, d0</b>                                                                                                                                                                                                                                                                               | ASTM E84 <b>Class A</b> |
| <b>VOC Emission</b>                     | <b>Indoor Air Comfort® GOLD</b><br>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. |                         |
| <b>Thermal Conductivity<sup>5</sup></b> | 24 mm: 0.037 W/m·K                                                                                                                                                                                                                                                                                            |                         |
| <b>Thermal Resistance<sup>5</sup></b>   | 24 mm: 0.65 m <sup>2</sup> K/W                                                                                                                                                                                                                                                                                |                         |
| <b>Certifications</b>                   | Declare label, Cradle to Cradle, UL Environmental Product Declaration, Member of US Green Building Council, Ecobau 1st Priority, Climate-KIC, SCS Recycled Content                                                                                                                                            |                         |
| <b>Durability</b>                       | 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



**Declare.**

**DANAK**  
TEST Reg.nr. 522



# Asto Standing Division

## Acoustic Performance



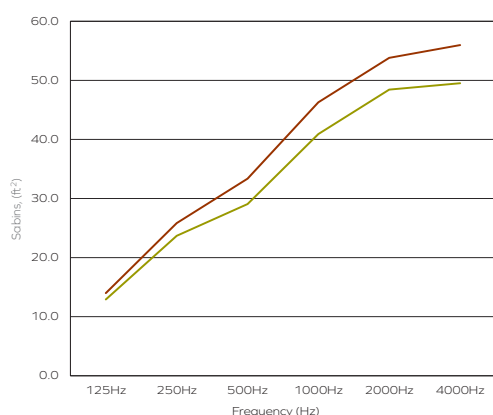
### Testing Standards

|                |                                                                                                                                                                           |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

|                                                  | $\alpha_w$ | 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.

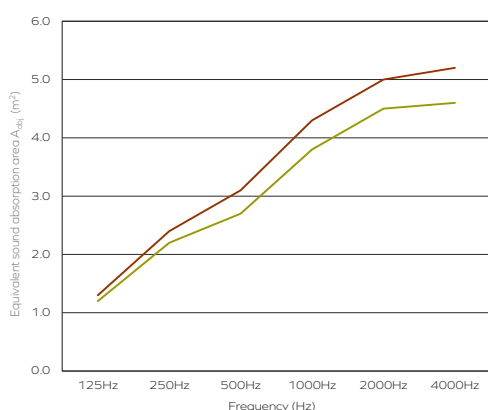


### Acoustic Performance - ASTM Sabins, ft<sup>2</sup>

| 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 (ft<sup>2</sup>) in the third octave band center frequencies.

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



### Acoustic Performance - ISO A<sub>obj</sub>, m<sup>2</sup>

| 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<sub>obj</sub>) 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



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<sup>1</sup> from your first point of contact, allowing you to focus on what truly matters to you.



Contact our  
consultant

Quote<sup>1</sup>

48 h



Order Confirmation

Production<sup>1</sup>

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.



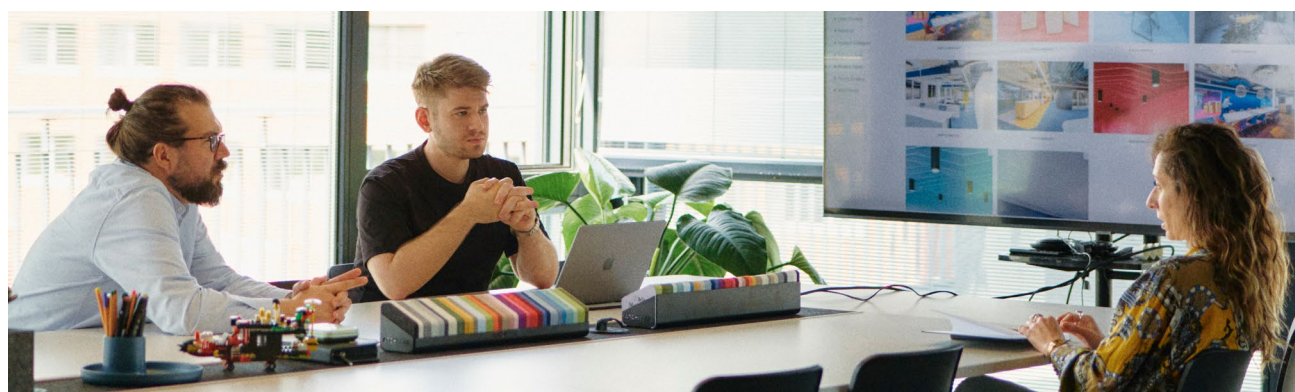
+41 41 244 14 00



connect@impactacoustic.com



Online form



<sup>1</sup> - Quote and Production times may vary.

**IMPACT ACOUSTIC®**  
Motus Partition rev.03 - 20.04.26

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#WeMakeAnImpact

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