IMPACT ACOUSTIC®
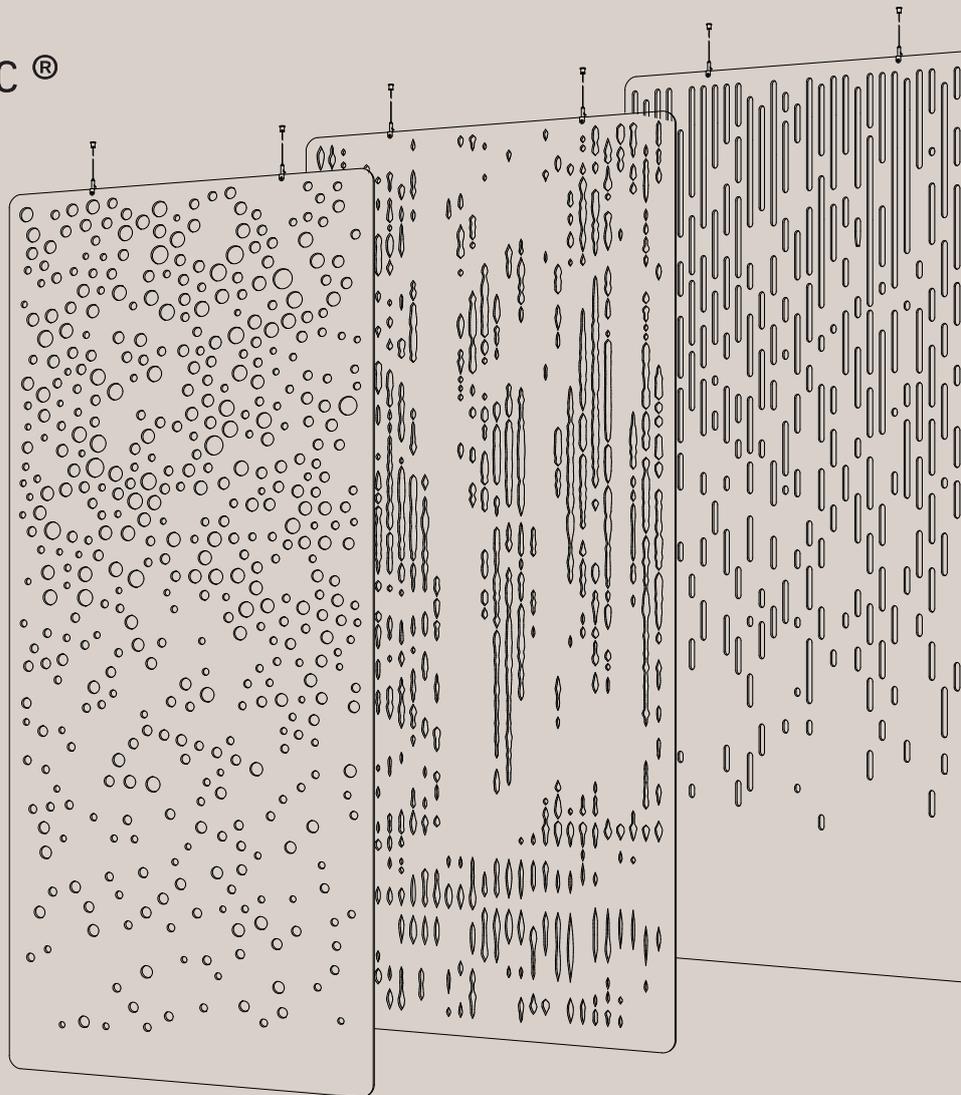
Hanging Division
Ready-made

741.12.13-38.000.00
741.24.13-38.000.00

741.12.90-91.000.00
741.24.90-91.000.00

Hanging Division
General Information

Data

Applicable article numbers

741.12.13-38.000.00   741.12.90-91.000.00

741.24.13-38.000.00   741.24.90-91.000.00

Dimensions[1]

Height	2800 mm	110"	2400 mm	95"	2400 mm	95"
Width	1200 mm	47"	1800 mm	71"	900 mm	35"
Thickness	12 mm	0.5"	24 mm	0.9"	24 mm	0.9"

Material

Panel	100% PET (60% post-consumer) in 45 colours
Suspension Kit	Stainless steel

Extended document available

Weight[2]

PET Panel 24mm (0.95")	4 kg/m2	0.82 lbs/sq.ft
PET Panel 12mm (0.47")	2.4 kg/m2	0.49 lbs/sq.ft

Included

| Panel	Suspension Kit	Installation guide	Warranty 10 years[3]

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

Hanging Division
Specification Guide

Ensure you make the perfect choice by choosing our solutions for your next project. To get started, simply define some basic information and constraints about your space. Then explore our range of standard solutions or contact us directly for a more in-depth discussion of personalised customized options.
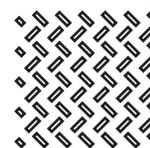
1 Specify your product:
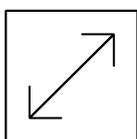
Size

Colour

Pattern

2 Verify installation method:

Suspension Kit
12mm

Suspension Kit
24mm
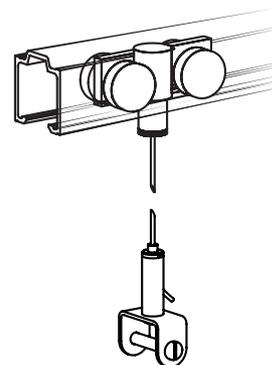
Curtain Slider
12mm and 24mm

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Hanging Division
Available Perforations

Please note that all patterns are available in three sizes. This size is used as an example.

741.12.13.000.00

741.12.15.000.00

741.12.17.000.00

741.12.19.000.00

741.12.21.000.00

741.12.23.000.00

741.12.25.000.00
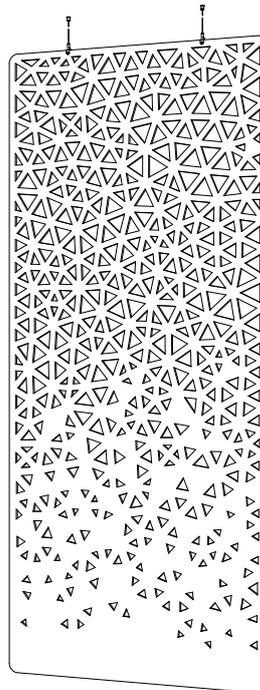
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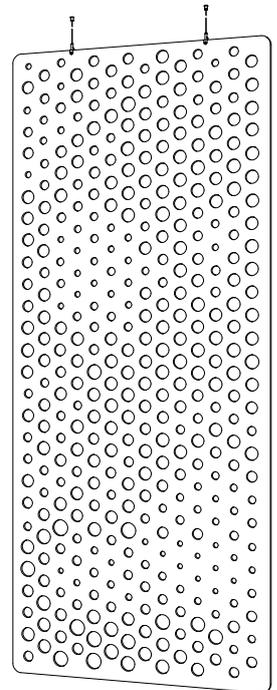
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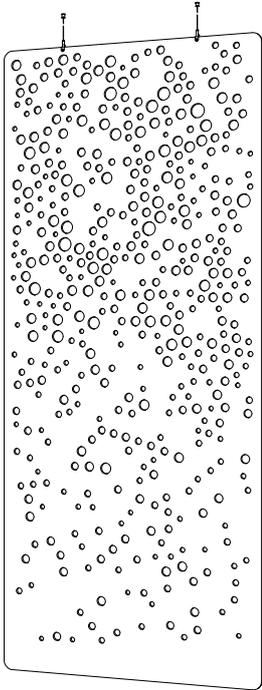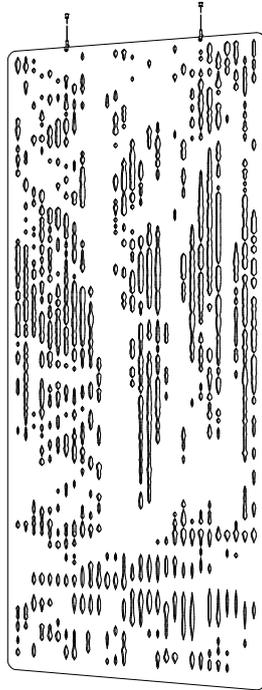
4

Hanging Division
Available Perforations

Please note that all patterns are available in three sizes. This size is used as an example.
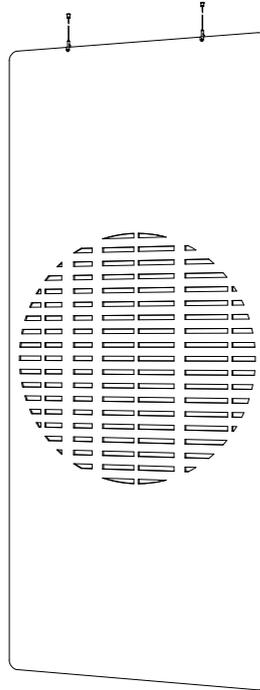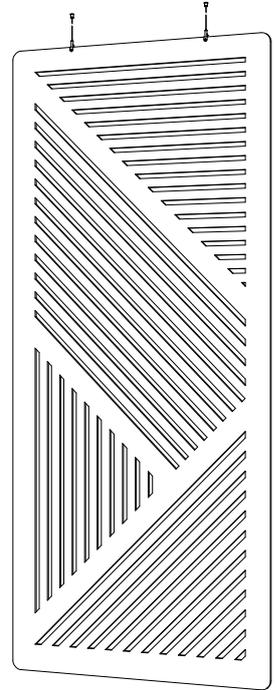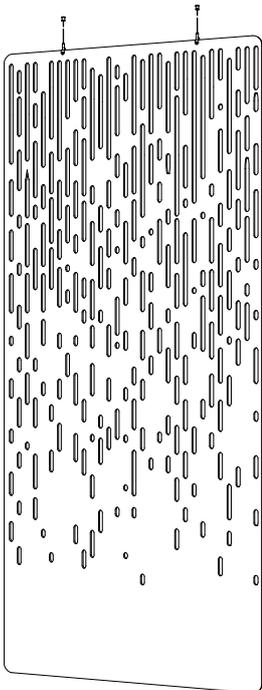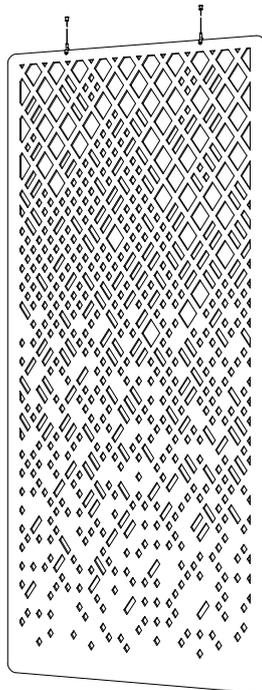
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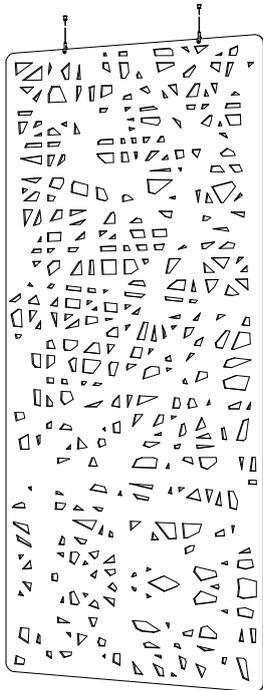
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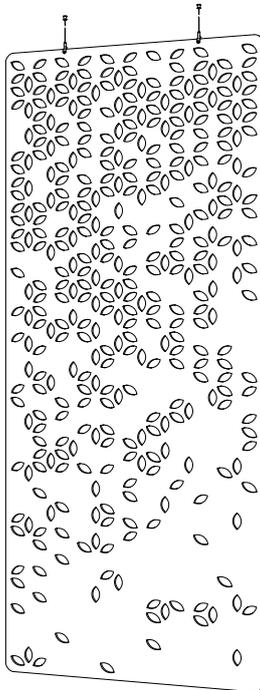
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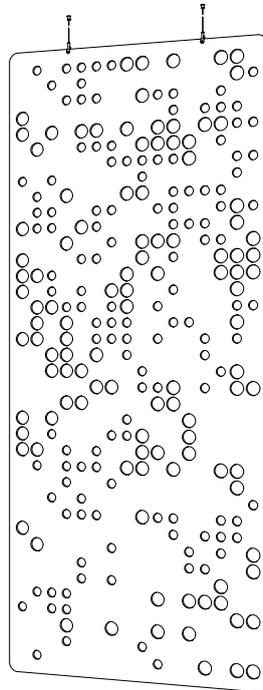
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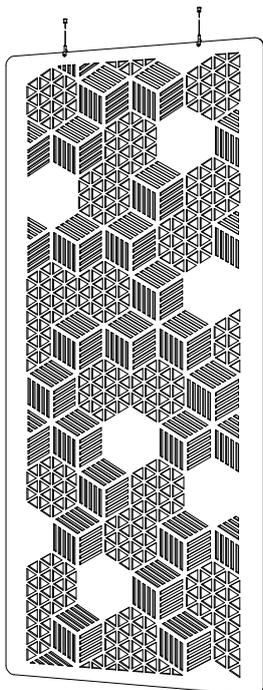
741.12.36.000.00

741.12.90.000.00

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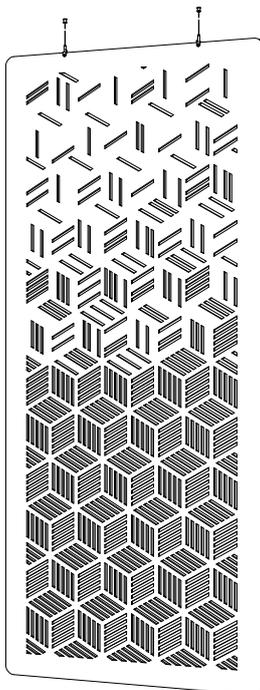
Bubbles Hanging Division
Geometry Information

TALL
741.12.13.000.00

LARGE
741.24.13.000.00

SMALL
741.24.14.000.00
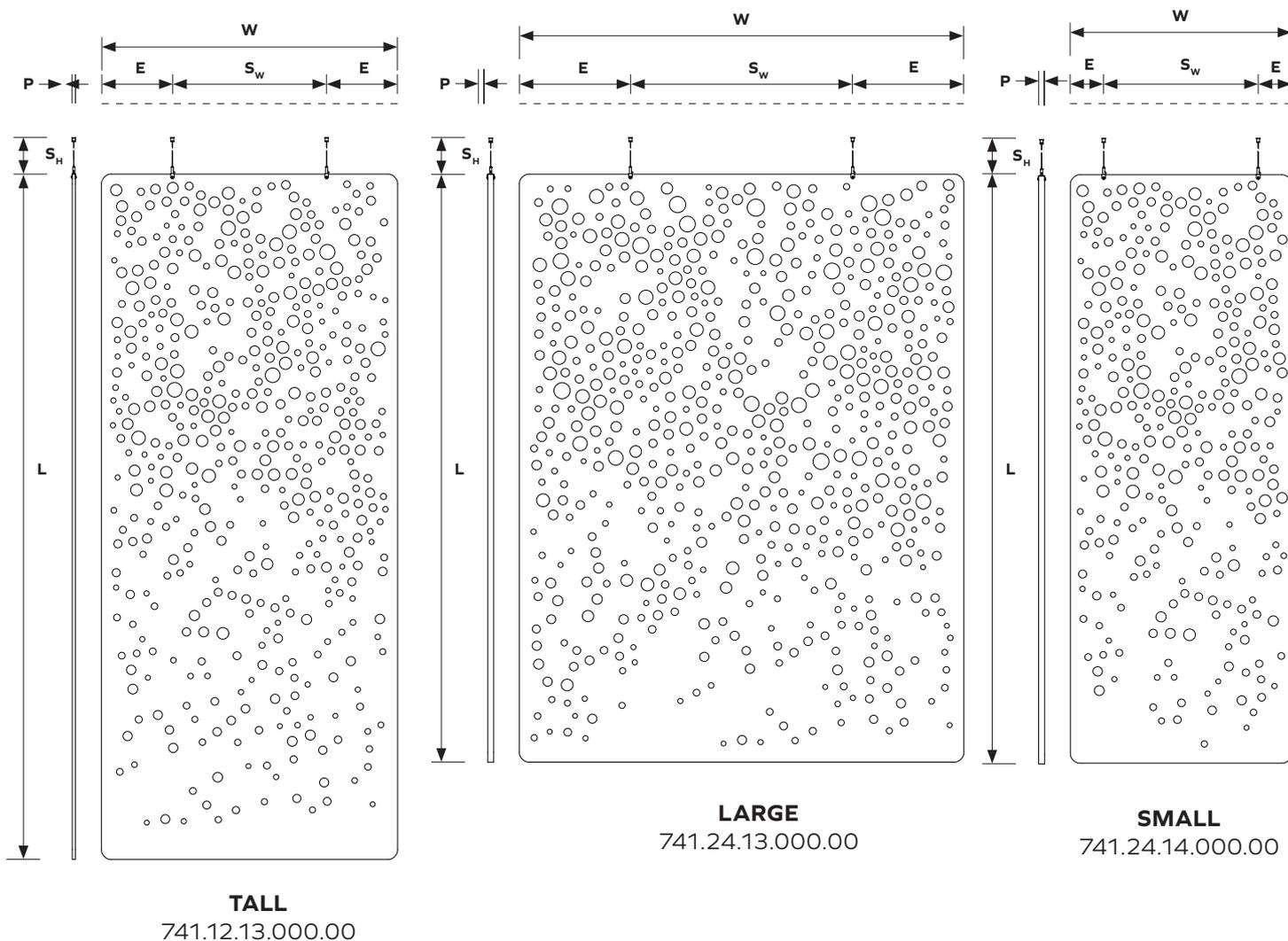
Dimensions		TALL 741.12.13.000.00	LARGE 741.24.13.000.00	SMALL 741.24.14.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_W	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_H	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

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Illum Hanging Division
Geometry Information

TALL
741.12.17.000.00

LARGE
741.24.17.000.00

SMALL
741.24.18.000.00
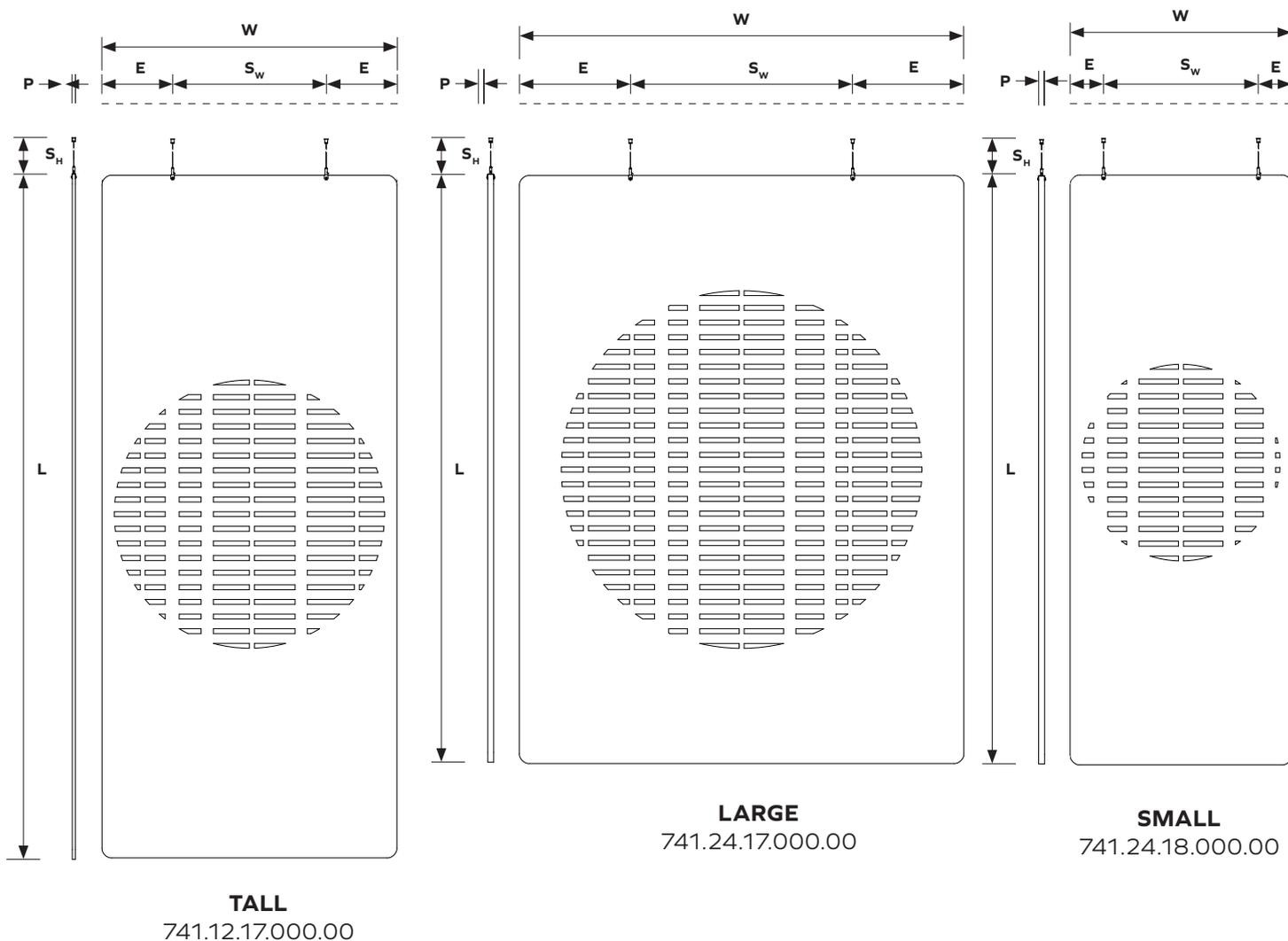
Dimensions		TALL 741.12.17.000.00	LARGE 741.24.17.000.00	SMALL 741.24.18.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_W	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_H	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

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Linea Hanging Division
Geometry Information

TALL
741.12.19.000.00

LARGE
741.24.19.000.00

SMALL
741.24.20.000.00

Dimensions		TALL 741.12.19.000.00	LARGE 741.24.19.000.00	SMALL 741.24.20.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_W	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_H	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

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Matrix Hanging Division
Geometry Information

Custom solutions available

TALL
741.12.21.000.00

LARGE
741.24.21.000.00

SMALL
741.24.22.000.00
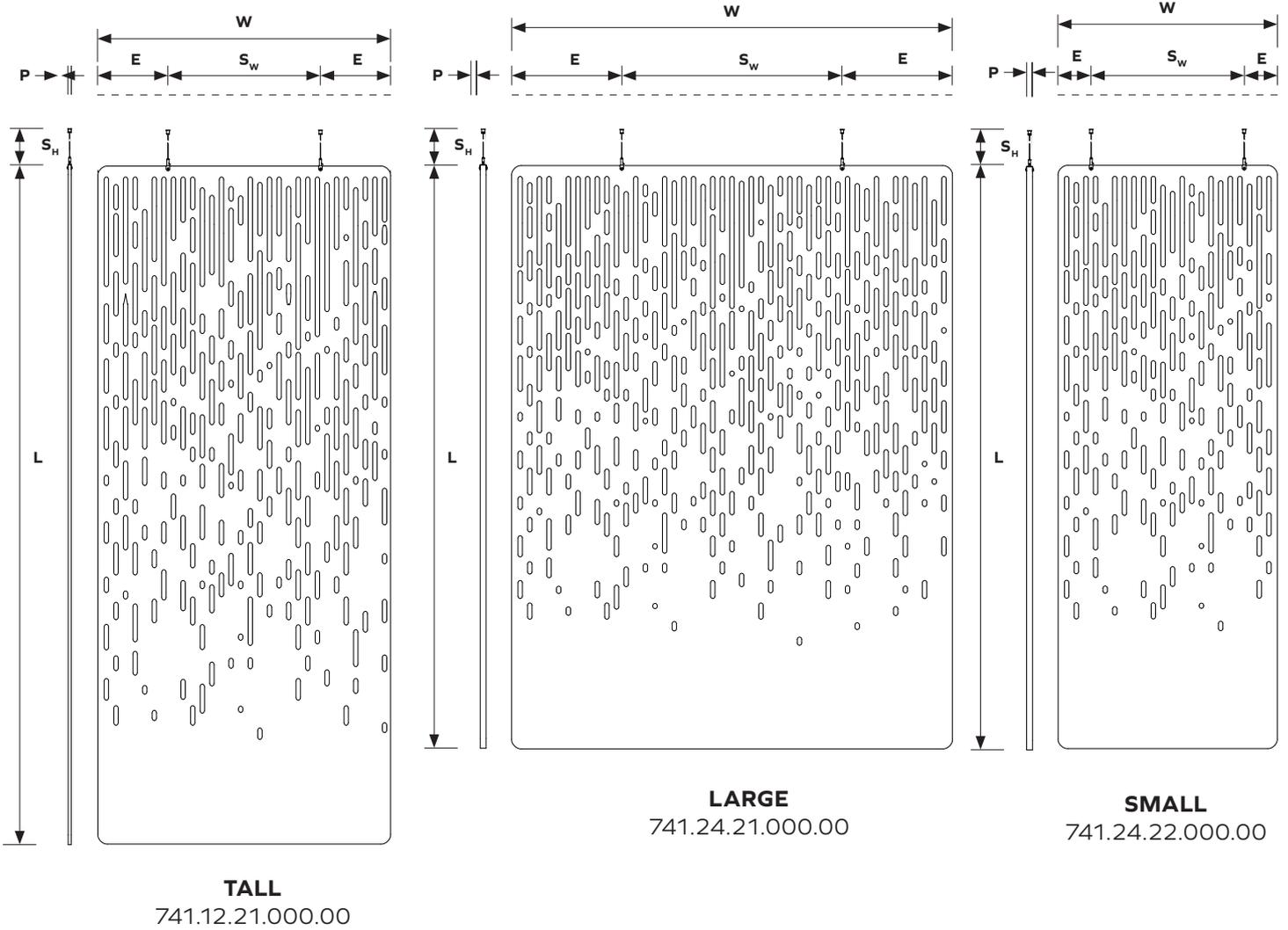
Dimensions		TALL 741.12.21.000.00	LARGE 741.24.21.000.00	SMALL 741.24.22.000.00
W	Total width	1200 mm / 47.24″	1800 mm / 70.87″	900 mm / 35.43″
L	Total height	2800 mm / 110.24″	2400 mm / 94.49″	2400 mm / 94.49″
E	Edge dimensions	288 mm / 11.34″	288 mm / 17.72″	135 mm / 5.31″
P	PET material thickness	12 mm / 0.47″	24 mm / 0.94″	24 mm / 0.94″
S$_W$	Support spacing width	624 mm / 24.57″	900 mm / 35.43″	625 mm / 24.61″
S$_H$	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

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Tunica Hanging Division
Geometry Information

⤢ Custom solutions available

TALL
741.12.23.000.00

LARGE
741.24.23.000.00

SMALL
741.24.24.000.00

Dimensions		TALL 741.12.23.000.00	LARGE 741.24.23.000.00	SMALL 741.24.24.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_W	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_H	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

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Web Hanging Division
Geometry Information

TALL
741.12.25.000.00

LARGE
741.24.25.000.00

SMALL
741.24.26.000.00

Dimensions		TALL 741.12.25.000.00	LARGE 741.24.25.000.00	SMALL 741.24.26.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S$_W$	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S$_H$	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

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Gradient Hanging Division
Geometry Information

TALL
741.12.27.000.00

LARGE
741.24.27.000.00

SMALL
741.24.28.000.00
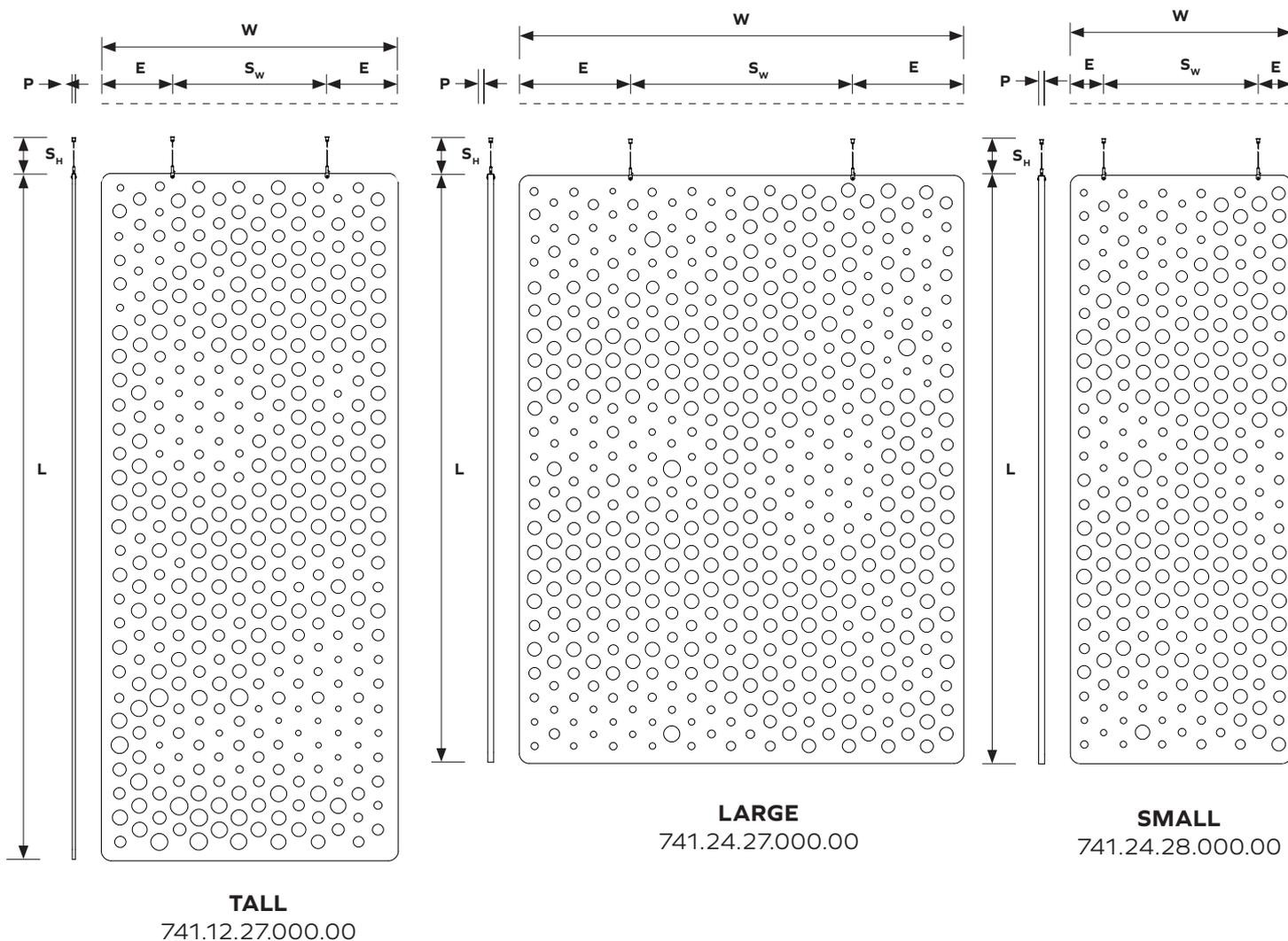
	Dimensions	TALL 741.12.27.000.00	LARGE 741.24.27.000.00	SMALL 741.24.28.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S$_W$	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S$_H$	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

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Rays Hanging Division
Geometry Information

Custom solutions available

TALL
741.12.29.000.00

LARGE
741.24.29.000.00

SMALL
741.24.30.000.00

	Dimensions	TALL 741.12.29.000.00	LARGE 741.24.29.000.00	SMALL 741.24.30.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S$_W$	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S$_H$	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

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Crose Hanging Division
Geometry Information

Custom solutions available

TALL
741.12.31.000.00

LARGE
741.24.31.000.00

SMALL
741.24.32.000.00

Dimensions		TALL 741.12.31.000.00	LARGE 741.24.31.000.00	SMALL 741.24.32.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_W	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_H	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

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Braille Hanging Division
Geometry Information

TALL
741.12.33.000.00

LARGE
741.24.33.000.00

SMALL
741.24.34.000.00
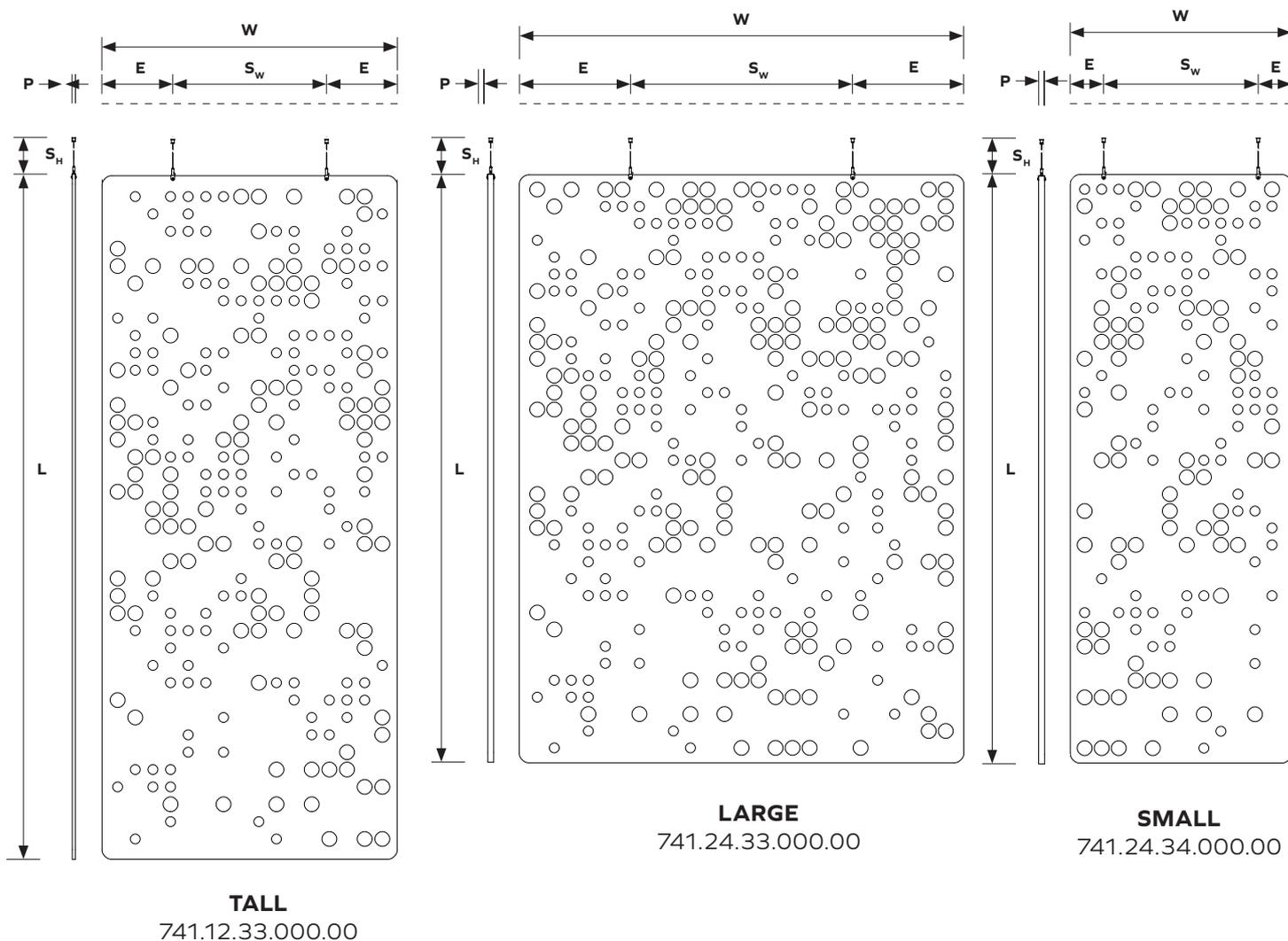
Dimensions		TALL 741.12.33.000.00	LARGE 741.24.33.000.00	SMALL 741.24.34.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_W	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_H	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

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Ornella Hanging Division
Geometry Information

Custom solutions available

TALL
741.12.35.000.00

LARGE
741.24.35.000.00

SMALL
741.24.36.000.00
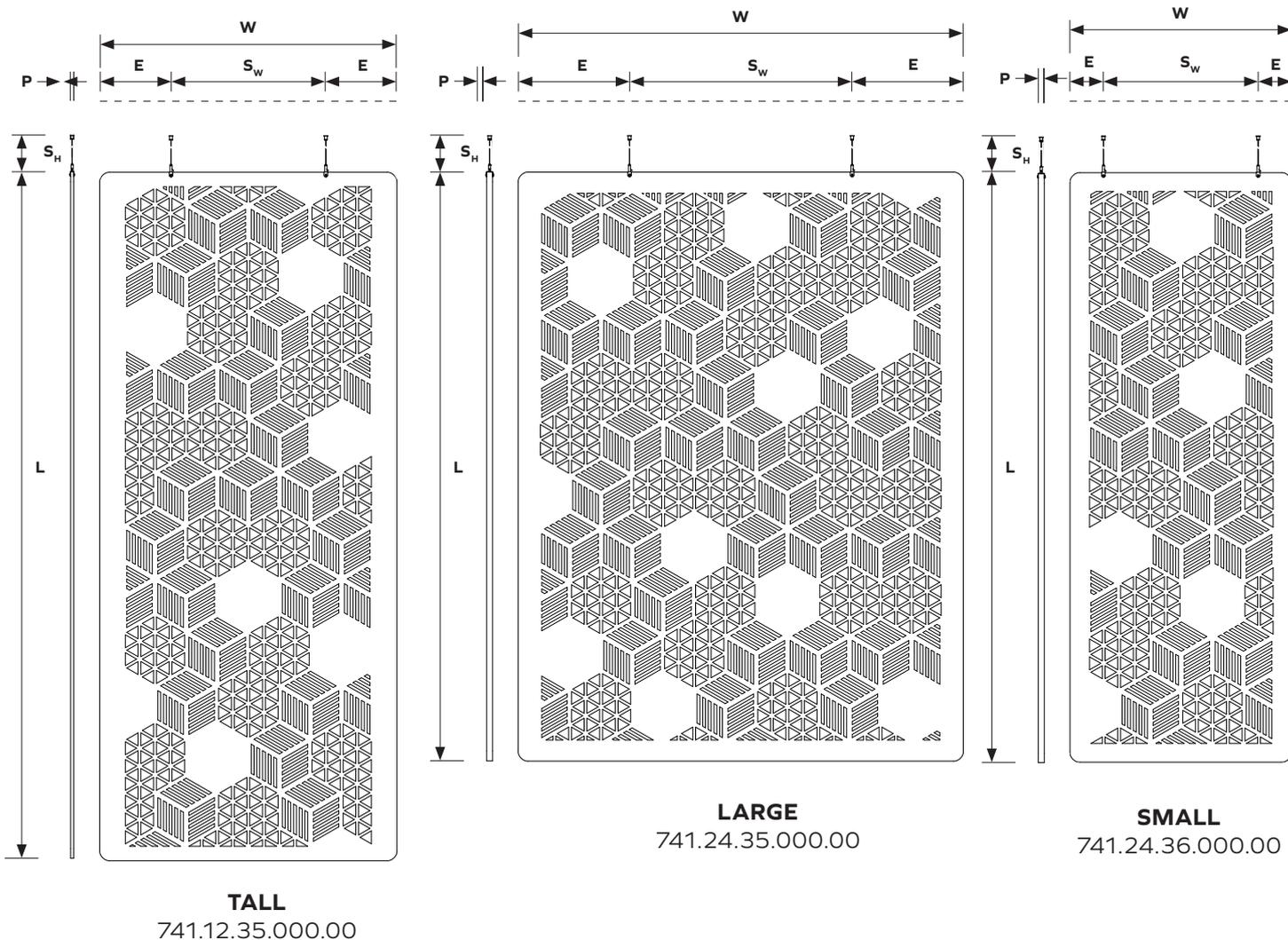
Dimensions		TALL 741.12.35.000.00	LARGE 741.24.35.000.00	SMALL 741.24.36.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S$_W$	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S$_H$	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

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Kyvos Hanging Division
Geometry Information

TALL
741.12.36.000.00

LARGE
741.24.37.000.00

SMALL
741.24.38.000.00

Dimensions		TALL 741.12.36.000.00	LARGE 741.24.37.000.00	SMALL 741.24.38.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S$_W$	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S$_H$	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

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Plain Hanging Division
Geometry Information

TALL
741.12.90.000.00

LARGE
741.24.90.000.00

SMALL
741.24.91.000.00

Dimensions		TALL 741.12.90.000.00	LARGE 741.24.90.000.00	SMALL 741.24.91.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_W	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_H	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

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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	S2502-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-R90 B	S 5020-R90B	S 8010-R90B	S8005-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	S4005-Y	S6010-G90Y

These NCS codes are the closest visual match available and may not be exact to blended fibres.

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 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)	
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)
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 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) **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

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

eit Climate-KIC   Declare.   DANAK TEST Reg.nr. 522

CERTIFIED cradle to cradle BRONZE   UL CERTIFIED ENVIRONMENTAL PRODUCT DECLARATION UL.COM/EPD   U.S. GREEN BUILDING COUNCIL MEMBER   LEED LEADERSHIP IN ENERGY & ENVIRONMENTAL DESIGN   eco 1 ecobau Cert.   CERTIFIED RECYCLED CONTENT SCS GLOBAL SERVICES MINIMUM 60% RECYCLED CONTENT POST-CONSUMER   CODE FOR A SUSTAINABLE BUILT ENVIRONMENT BREEAM   ilac-MRA

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Hanging Division
Acoustic Performance
Please note that this acoustic performance does not refer to the hanging divisions with perforation.

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.
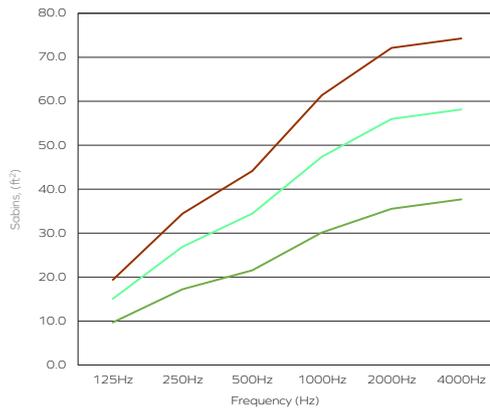
Acoustic Performance - ASTM Sabins , ft^2

Frequency (Hz)	125	250	500	1000	2000	4000
12mm Plain 2800mm x 1200mm	15.07	26.91	34.44	47.36	55.97	58.13
24mm Plain 2400mm x 900mm	9.69	17.22	21.53	30.14	35.52	37.67
24mm Plain 2400mm x 1800mm	19.38	34.44	44.13	61.35	72.12	74.27

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

● 12mm Plain 2800mm x 1200mm

● 24mm Plain 2400mm x 900mm

● 24mm Plain 2400mm x 1800mm
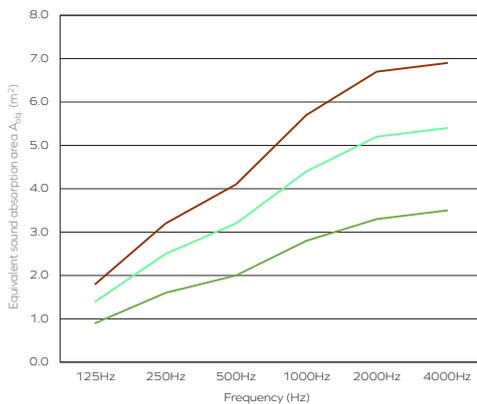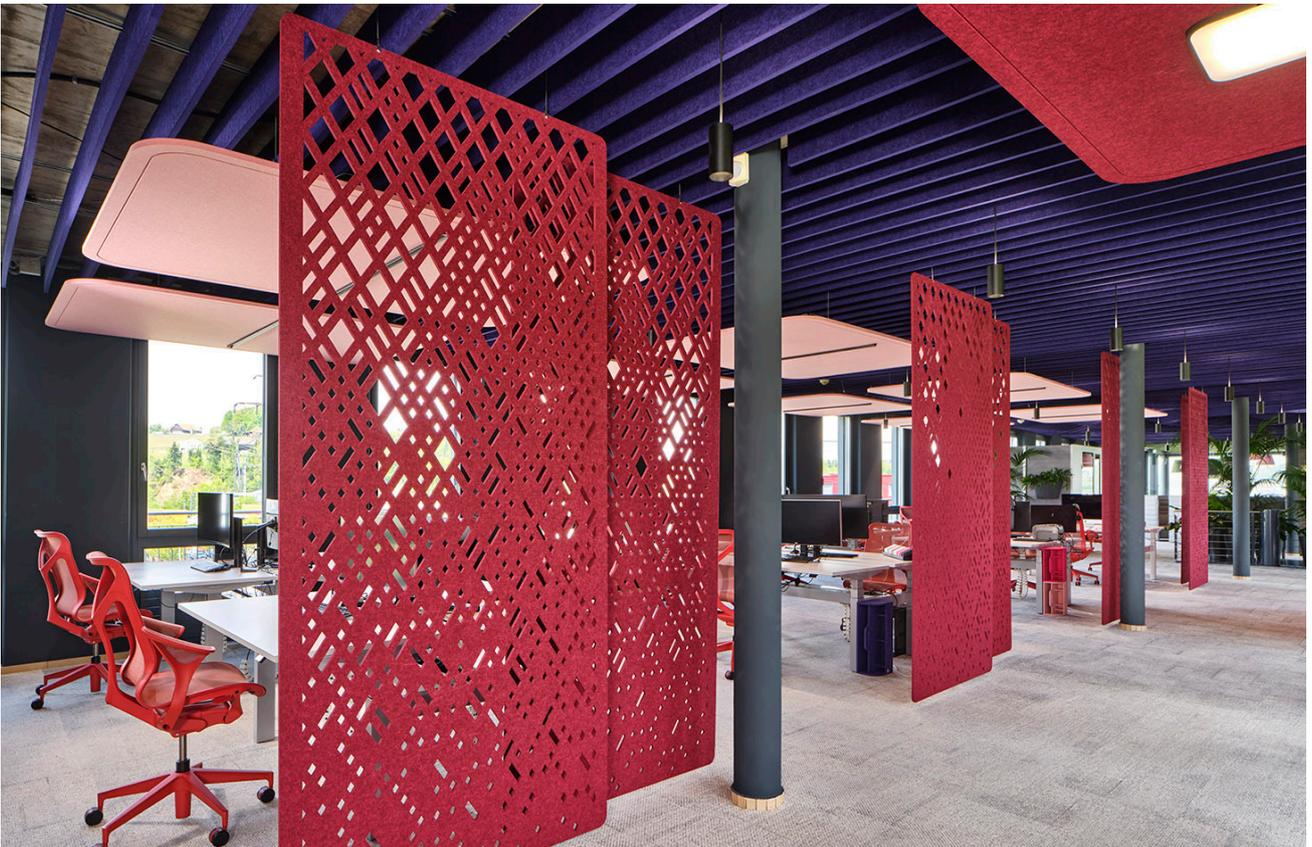

Acoustic Performance - ISO A$_{obj}$, m^2

Frequency (Hz)	125	250	500	1000	2000	4000
12mm Plain 2800mm x 1200mm	1.4	2.5	3.2	4.4	5.2	5.4
24mm Plain 2400mm x 900mm	0.9	1.6	2.0	2.8	3.3	3.5
24mm Plain 2400mm x 1800mm	1.8	3.2	4.1	5.7	6.7	6.9

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

● 12mm Plain 2800mm x 1200mm

● 24mm Plain 2400mm x 900mm

● 24mm Plain 2400mm x 1800mm

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Hanging Division
Reference Projects

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Hanging Division
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 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	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.

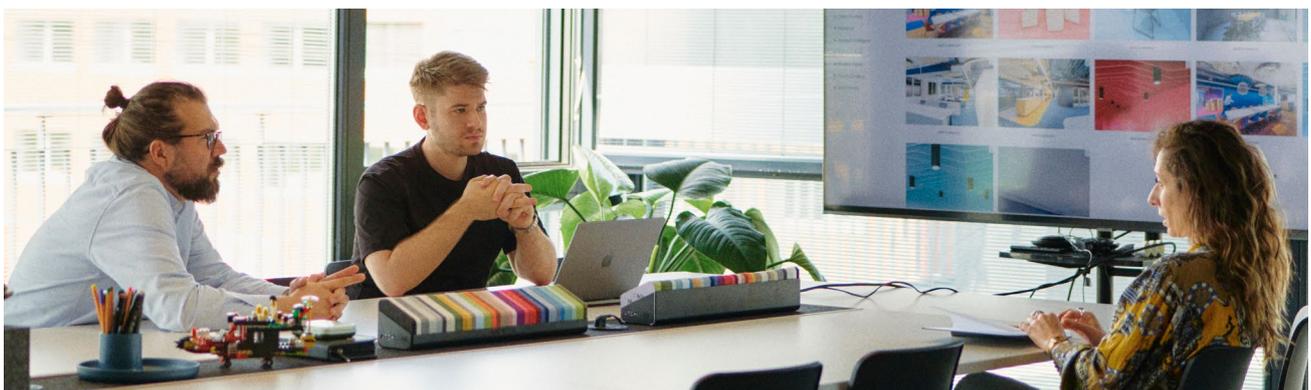+41 41 244 14 00   connect@impactacoustic.com   Online form

1 - Quote and Production times may vary.

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