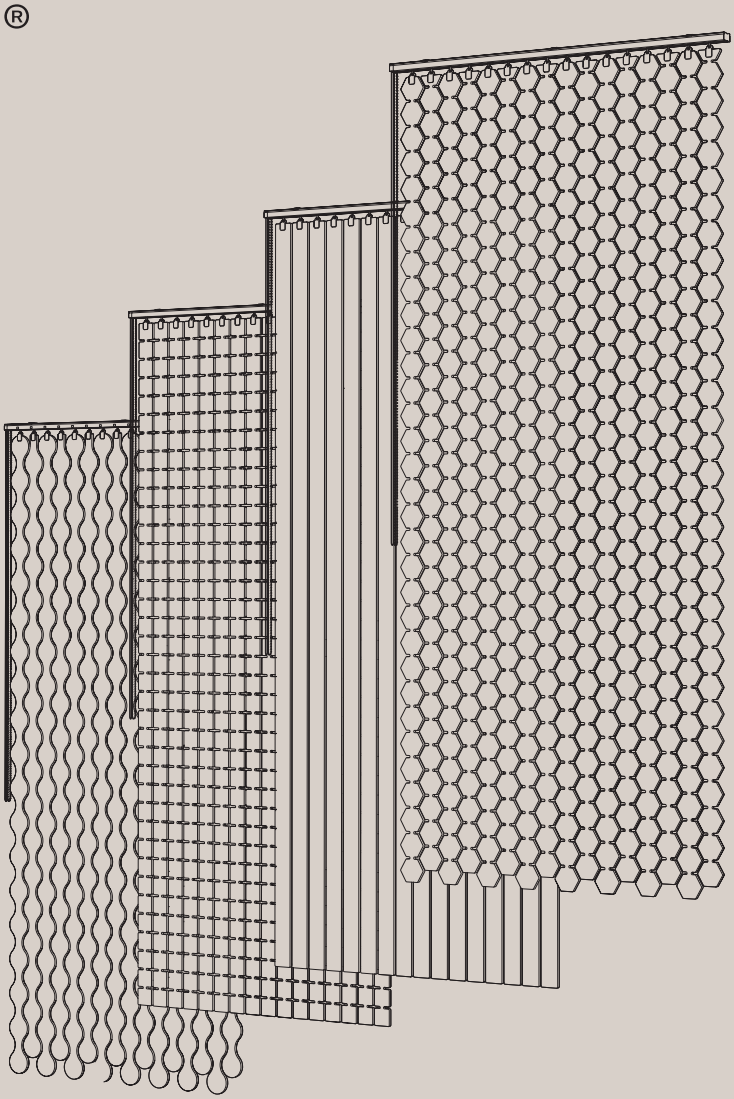
IMPACT ACOUSTIC®



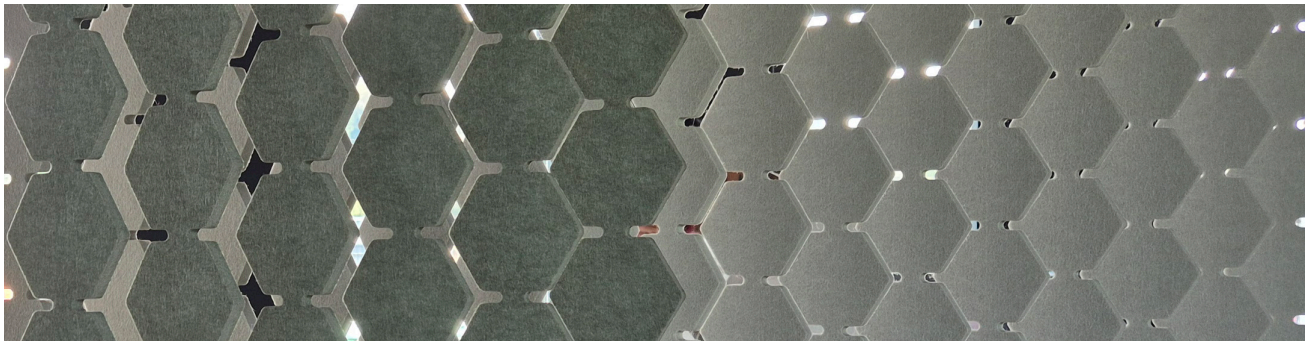
Pixels *by Rafa Ortega*

Retractable Room Division

746.12.01.000.00
746.12.02.000.00
746.12.03.000.00
746.12.04.000.00

TECHNICAL DATA SHEET

Pixels Retractable Room Division
General Information



Data

Applicable article numbers

SQUARE	HEX	DROP	PLAIN
746.12.01.000.00	746.12.02.000.00	746.12.03.000.00	746.12.04.000.00

Dimensions[1]

Height	2820mm	111"	
Length	1250mm	49 **¼**"	*custom length upon request - see page 6*

Material

Vertical Slats	ARCHISONIC® Felt - 100% PET (60% Post-consumer) in 45 colours
Rail	Steel (RAL9016)

Extended document available

Weight[2]

Full assembly	8.8 kg (±10%)	19.4 lbs (±10%)

Included

Acoustic Vertical Slats

Rails and components

Installation guide

Warranty 2 years[3]

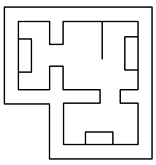
1 - all dimensions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

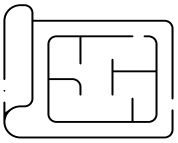
Pixels Retractable Room Division
Specification Guide

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 personalized customized options.

1 Prepare this information:



Project Area

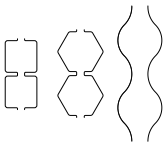


Ceiling Plans (RCP)



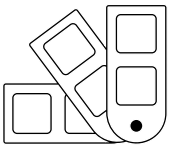
Other Considerations

2 Specify your design options:



Shape

page 7



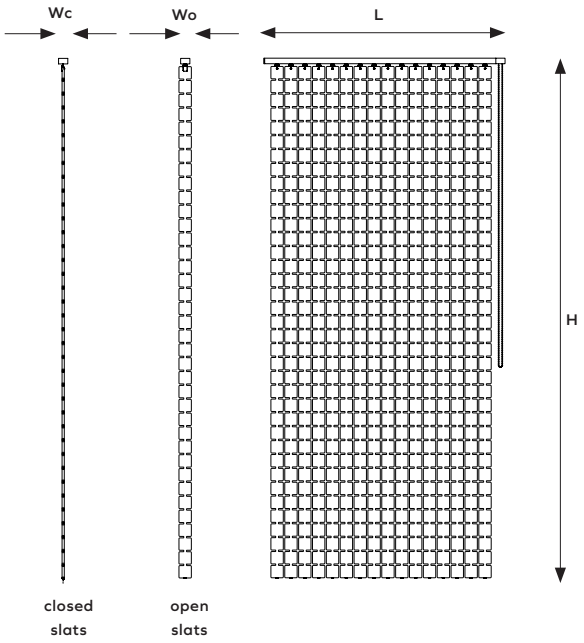
Colours

page 12

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

Pixels Retractable Room Division
Product Family Overview

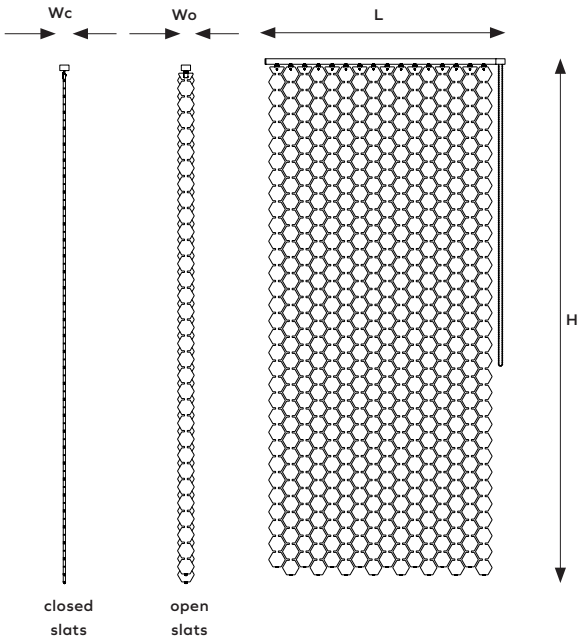
1 Pixels Retractable Room Division SQUARE - 1250mm (49 ¼") *746.12.01.000.00*



Dimensions[1]

Wo	Total width (open slats)	67mm /2.6"
Wc	Total width (closed slats)	50mm / 2"
L	Total length	1250mm / 49 ¼"
H	Total height	2821mm / 111"
P	ARCHISONIC® Felt	12mm / 0.47"

2 Pixels Retractable Room Division HEX - 1250mm (49 ¼") *746.12.02.000.00*



Dimensions[1]

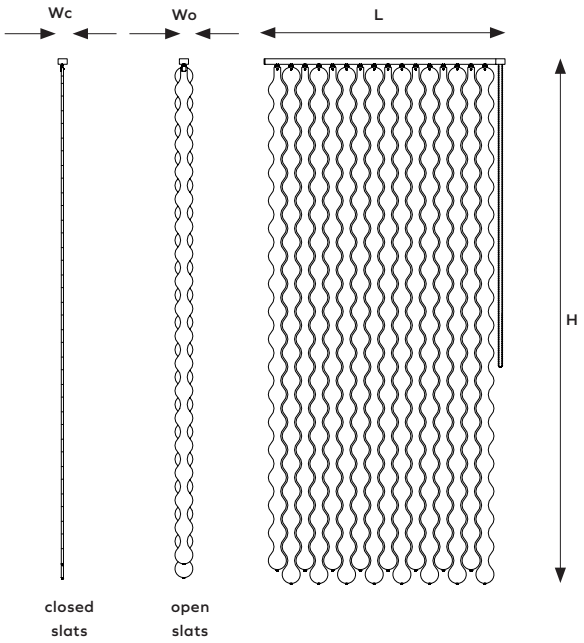
Wo	Total width (open slats)	89mm / 3.5"
Wc	Total width (closed slats)	50mm / 2"
L	Total length	1250mm / 49 ¼"
H	Total height	2816mm / 110.8"
P	ARCHISONIC® Felt	12mm / 0.47"

1 - All dimensions are nominal

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

Pixels Retractable Room Division
Product Family Overview

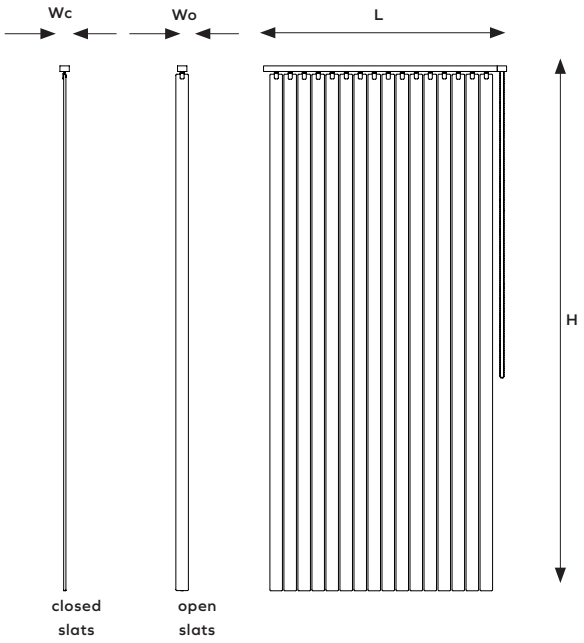
3 Pixels Retractable Room Division DROP - 1250mm (49 ¼") *746.12.03.000.00*



Dimensions[1]

Wo	Total width (open slats)	98mm / 3.9"
Wc	Total width (closed slats)	50mm / 2"
L	Total length	1250mm / 49 ¼"
H	Total height	2853mm / 112.3"
P	ARCHISONIC® Felt	12mm / 0.47"

4 Pixels Retractable Room Division PLAIN - 1250mm (49 ¼") *746.12.04.000.00*



Dimensions[1]

Wo	Total width (open slats)	67mm /2.6"
Wc	Total width (closed slats)	50mm / 2"
L	Total length	1250mm / 49 ¼"
H	Total height	2821mm / 111"
P	ARCHISONIC® Felt	12mm / 0.47"

1 - All dimensions are nominal

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

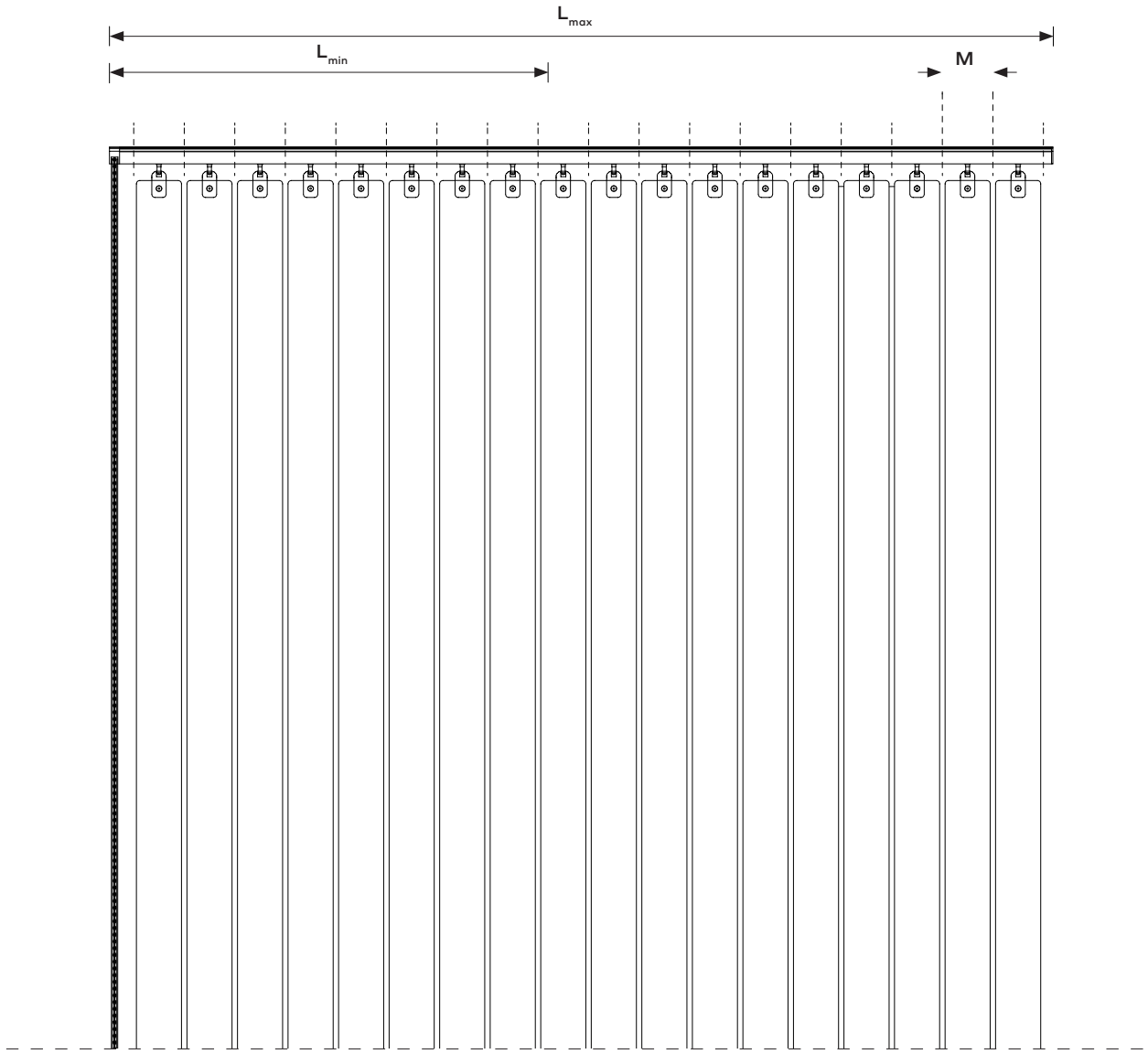
Pixels Retractable Room Division

Custom product width[1]

Standard product length of 1250mm can be modified **upon request only for orders above 50lm /160lf of total length**. The minimum available length of the profile is **L_{min} 650mm/25.6”** and the maximum length is **L_{max} 1400mm/55.12”.** The length can be only modified in modules of **M 75mm/2.95”.**

Please note that **custom lead time and pricing** will apply. Contact us for more detail.

For the reference, see drawing below.



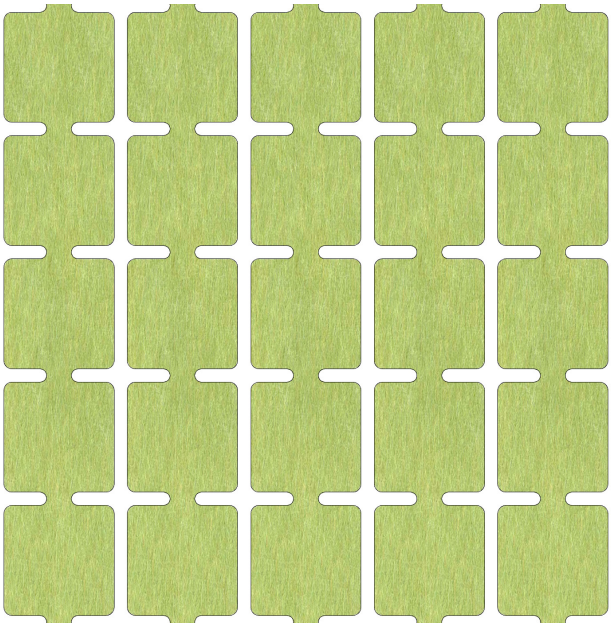
1 - All dimensions are nominal

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

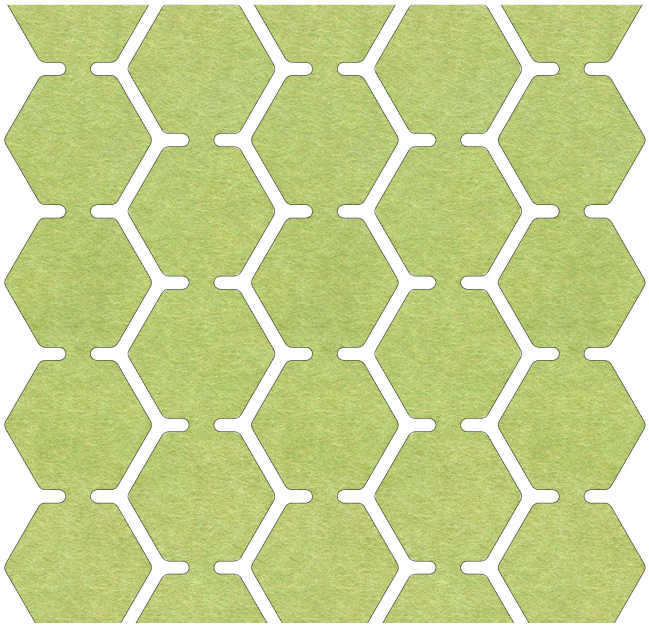
Pixels Retractable Room Division

Available Shapes

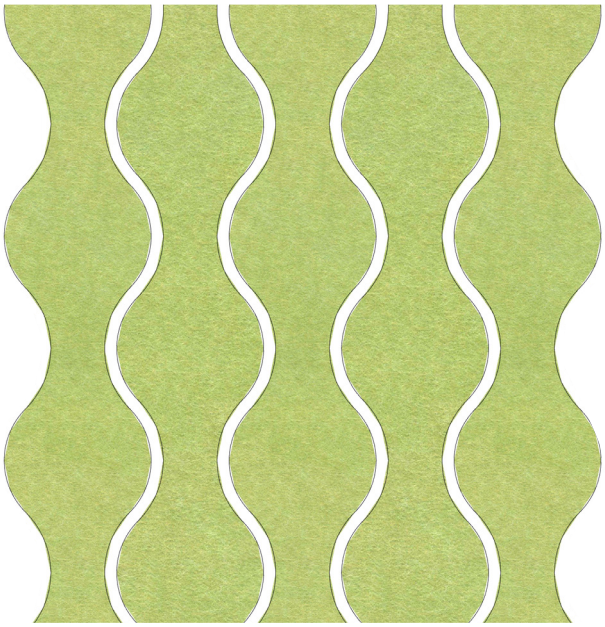
1 Square



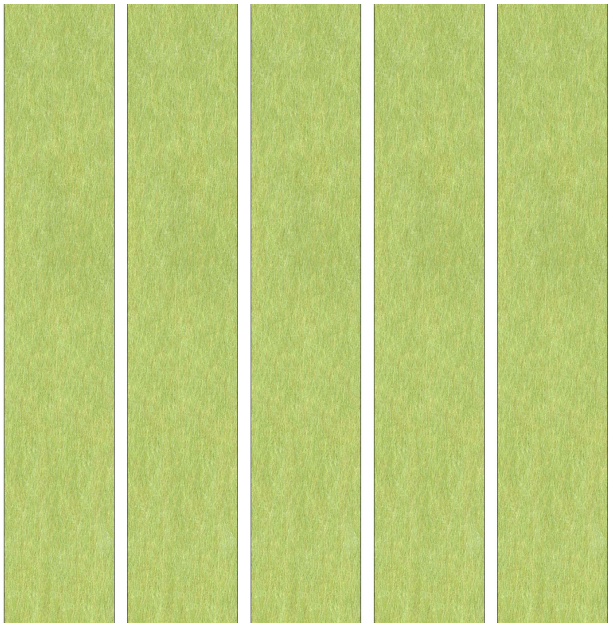
2 Hex



3 Drop



4 Plain



NOTE: Only a portion of the product is represented here

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

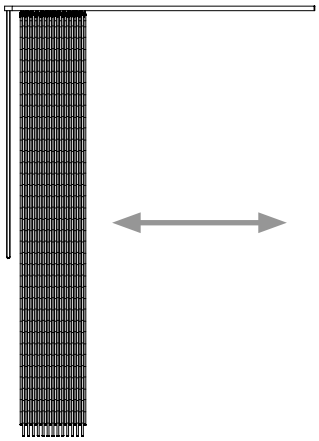
Pixels Retractable Room Division
Sliding System

Operations

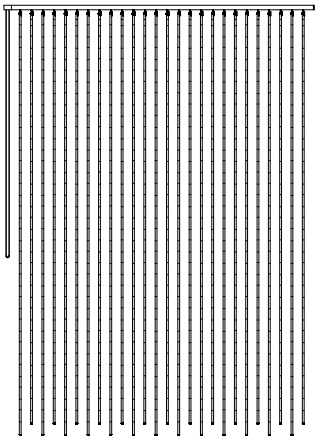
The mechanism on this vertical curtain division allows for the following operations:

Sliding slats from a stacked position to an extended position
Rotating slats for an open or closed position

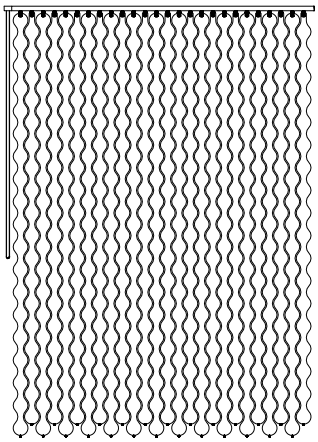
Extended Open Position



Extended Open Position



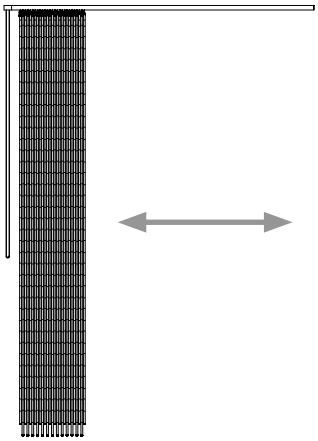
Extended Closed Position



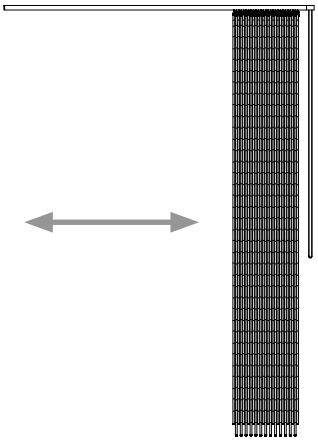
Sliding

The sliding always happen in the same direction. When the vertical slats are stacked, they remain close to the chain mechanism. If you want to change the direction of the sliding, you can always rotate the whole module in the horizontal plane by 180° upon installation.

Stacked Slats on the Left



Stacked Slats on the Right



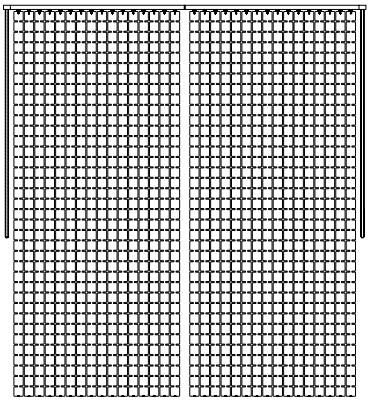
NOTE: Only one Length and Shape Option of this product is represented here. The same information applies to all product options.

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

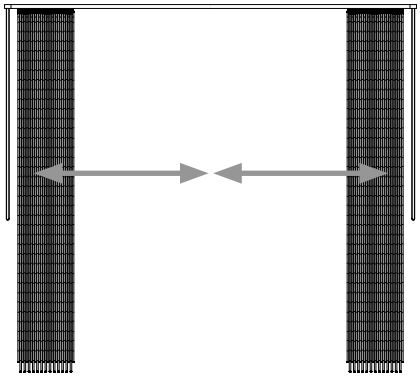
Pixels Retractable Room Division
Combination of Modules

It is possible to install the modules right next to each other to create different configurations. It is important to note that you will have to plan this properly so that the chain system for operating the curtains remains at an optimal location.

Below you will see an example of how to combine two modules for a centered opening.



Extended Closed Position



Stacked Position

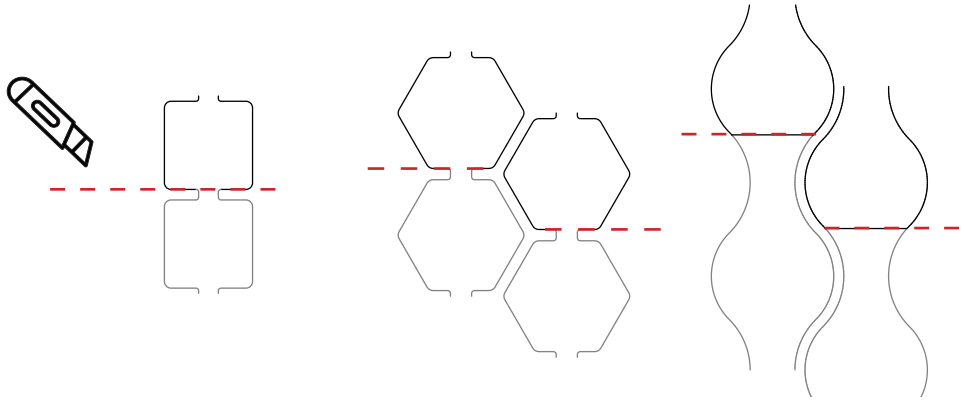
On the example above you will notice the following:

- These modules are symmetrical, so there will be an opening in the center that indicates where the curtain will open. This can be changes upon installation !
- There will be two different chain mechanism located at each side to operate each module independently.

On-site adjustments

The height of the slats can be adjusted on site if needed. For this, we recommend to cut the slats at the junction between the shapes, following the diagram below:

Online Video Available

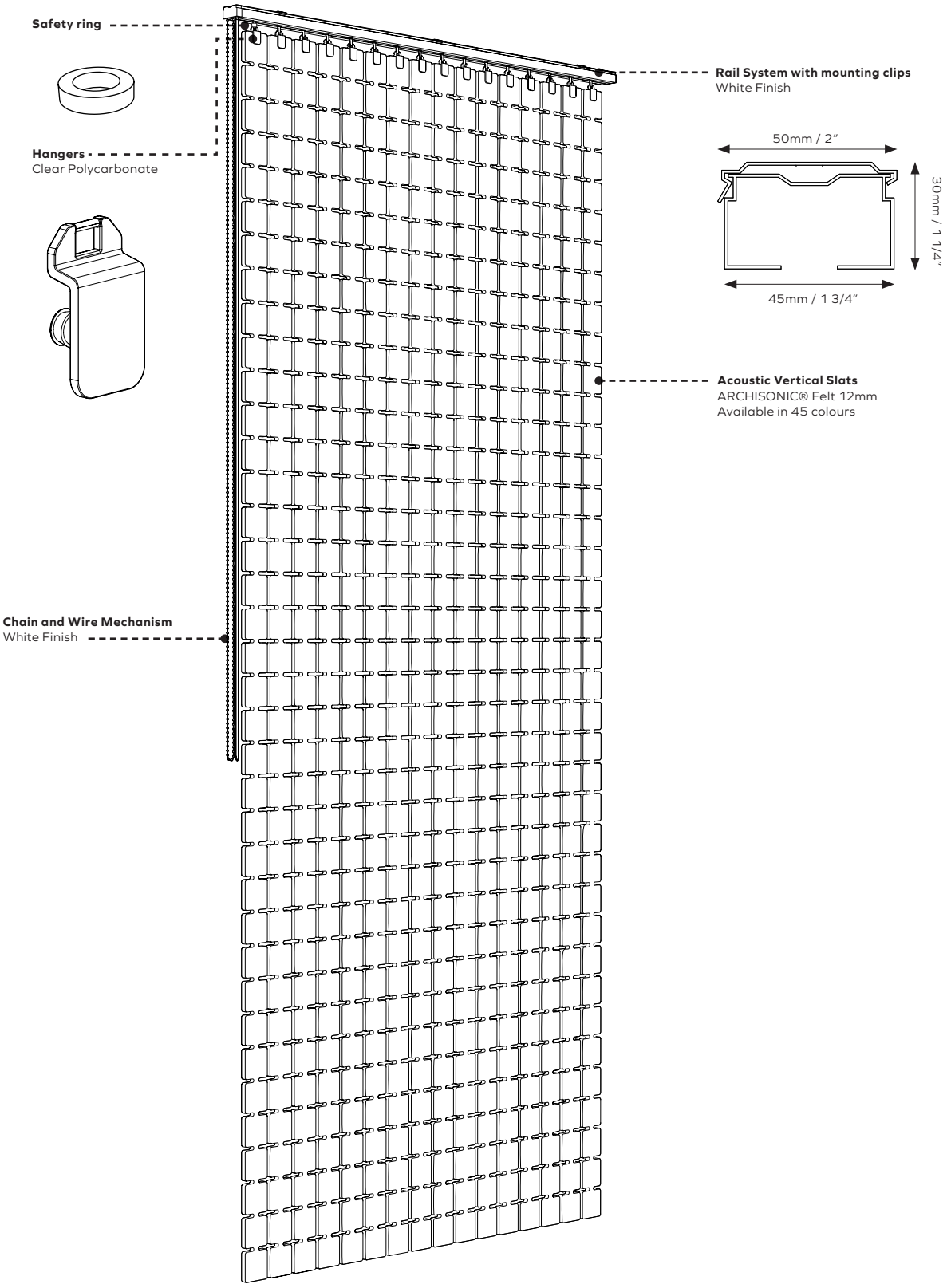


Please note no modifcations to the length of the rail can be made on site. The mechanism inside the rail has been specifcally assembled for the rail's length. If you require custom lengths, contact our Project Management Team.

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

Pixel Retractable Room Division

Components

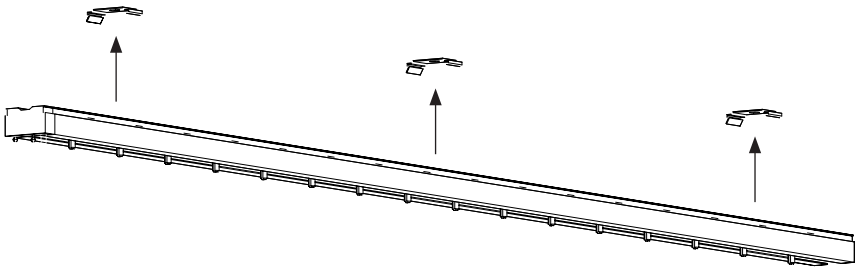


All dimensions are nominal

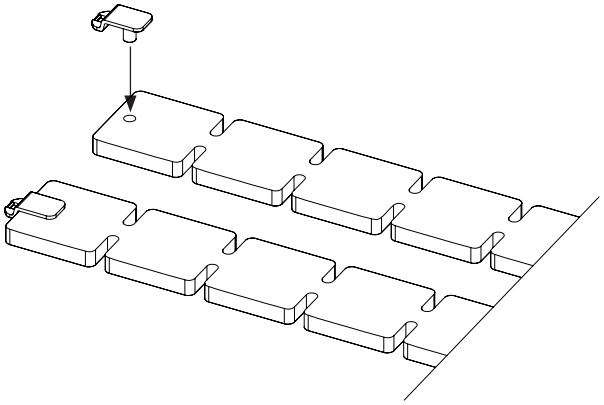
(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

Pixels Retractable Room Division
Installation Overview

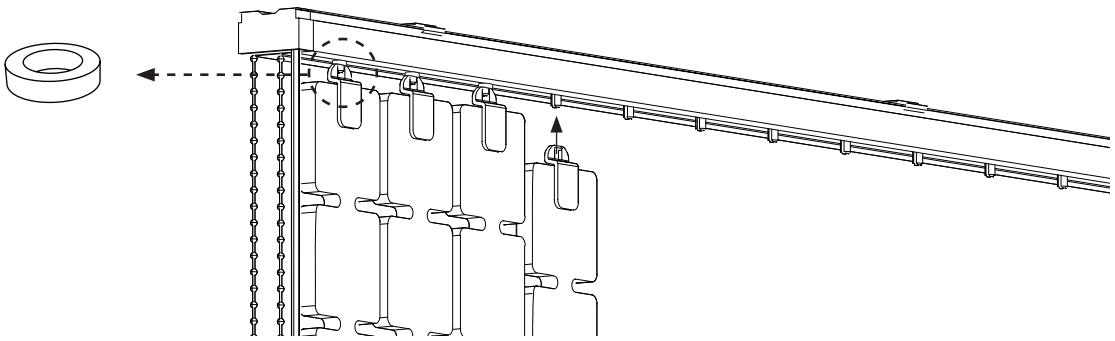
1 Install the rail and fix the hangers



2 Attach hangers to the slats



4 Secure the interface clips with the safety rings and fix slats to hangers



(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

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-R90B	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



(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

ARCHISONIC® Felt
Material Specification

Product Name	ARCHISONIC® Felt
Content	100% PET (60% certified post-consumer content)
Thickness[1]	12mm (0.47")
Max. Size	1200x2800mm (47"x110")
Acoustic[2]	**ASTM:** NRC=0.6 **ISO**: αw=0.65
Density[1]	2400 g/m^2 (0.49 lbs/ sqft)
Colour Fastness	**Class 6** ISO 105-B02:A1
Colours	**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]	12 mm: 0.039 W/m·K
Thermal Resistance[5]	12 mm: 0.30 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

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

Pixels Retractable Room 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
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

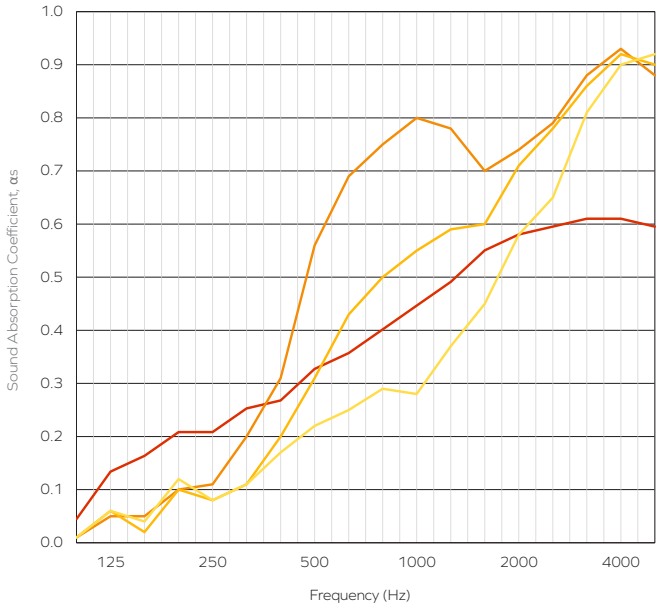
Acoustic Test Results	αw	SAA	NRC
12mm Pixels - Hanging Partition[1]	0.40 (H)	0.39	0.40
12mm Pixels - Closed Configuration[2]	0.45 (MH)	0.54	0.55
12mm Pixels - Half Open Configuration[2]	0.35 (H)	0.41	0.40
12mm Pixels - Open Configuration[2]	0.30 (H)	0.30	0.30

1 - Measured free-hanging at the center of the testing facility
2 - Measured with a 150mm air gap between the panel and the wall surface

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

Frequency (Hz)		125	250	500	1000	2000	4000
12mm Pixels - Hanging Partition	α_p	0.10	0.20	0.30	0.45	0.60	0.60
12mm Pixels - Closed Configuration	α_p	0.05	0.15	0.50	0.80	0.75	0.90
12mm Pixels - Half Open Configuration	α_p	0.05	0.10	0.30	0.55	0.70	0.90
12mm Pixels - Open Configuration	α_p	0.05	0.10	0.20	0.30	0.55	0.90



12mm Pixels - Hanging Partition
12mm Pixels - Closed Configuration
12mm Pixels - Half Open Configuration
12mm Hanging Partition

The table represents the practical sound absorption coefficient (α_p) in accordance with ISO 11654. The graph represents the sound absorption coefficients (αs) in the third octave band center frequencies in accordance with ISO 354. Measurement used Pink Noise as excitation signal in a reverberant room.

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

Pixels Retractable Room 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

Data sheets and Installation Guide

Colour families

Instruction videos

Associated product 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] 48h

Order Confirmation

Production[1] 6 - 8 Weeks

Dispatch

Transit location based

Delivery

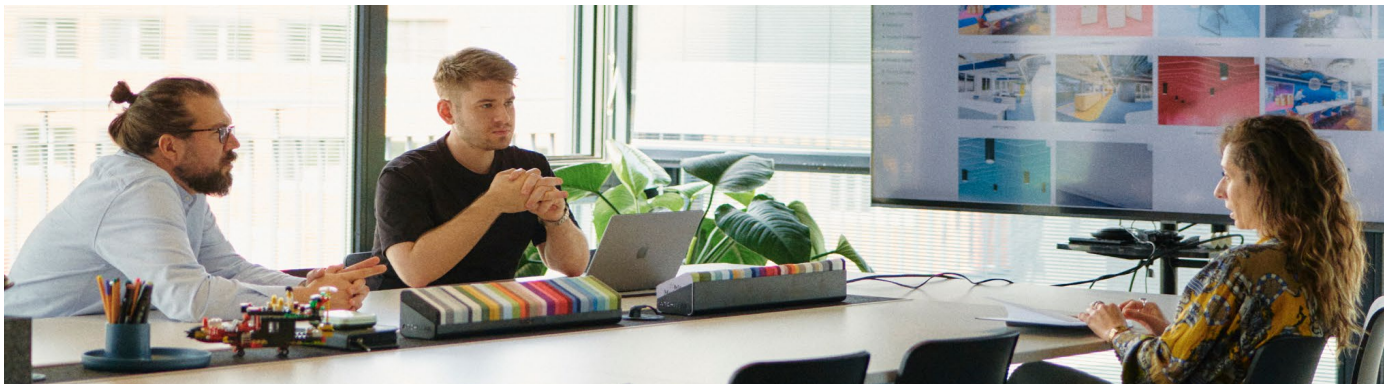
Contact Us

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



1 - Quote and Production times may vary.

#We MakeAn Impact

connect@impactacoustic.com I www.impactacoustic.com