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# **ECHOCOVE<sup>®</sup> 24MM BOW DATASHEET**

# TABLE OF CONTENTS



<b>ECHOCOVE® 24MM BOW</b> .....	<b>1</b>
<b>TENDER TEXT</b> .....	<b>3</b>
<b>DATASHEET ECHOBBOARD® 24MM</b> .....	<b>4</b>
<b>COLOURS ECHOBBOARD® 24MM</b> .....	<b>5</b>
<b>DIMENSIONS &amp; PARTS</b> .....	<b>6</b>
ECHOCOVE® 24MM BOW VERTIGO.....	6
ECHOCOVE® 24MM BOW WOVEN.....	7
ECHOCOVE® 24MM BOW SERENITY (DESIGNED BY JULIA STÖCKLI).....	8
<b>CLEANING &amp; CARE</b> .....	<b>9</b>

## PRODUCT NAME

EchoCove® 24mm BOW

## DESCRIPTION

The new curved acoustic room divider EchoCove® BOW - elegance and flexibility for every room. The partitioning element gives the working environment a modern and functional atmosphere. With its gently curved shape, it adapts perfectly to any environment. Whether you want to create a separation for work areas, provide more privacy or simply enhance the aesthetics of the room, EchoCove® BOW is the ideal solution.

The partitioning element consists of the high-performance acoustic absorber EchoBoard® 24mm and is available in various designs. This panel is enclosed in a powder-coated metal frame with a solid base. EchoCove® BOW is more than just a room divider. It is an expression of style and at the same time creates a harmonious ambience.

## PRODUCT PROPERTIES

Size: 1203x1810x294mm

Material thickness: 24mm

## ACOUSTIC PERFORMANCE

aw: 1.00

NRC: 0.95

## INSTALLATION

- Suitable for use in rooms as well as roofed outdoor areas
- Easily height-adjustable and installation without tools

## MATERIAL PROPERTIES

- Extremely robust and shockproof
- Very high colour fastness of the all-round homogeneous textile surface available in over 20 colours
- Flame retardant. B-s1,d0 certified according to EN 13501
- Extremely low volatile organic compounds below < 0.5mg/m<sup>2</sup>/h, certified according to ASTM D5116
- Formaldehyde emission below < 0.1mg/m<sup>2</sup>/h, certified according to ASTM D5116
- Dimensionally stable up to 50°C and 95%rH
- Melting point: 250 °C
- Decomposition Temp: > 250 °C
- Alkalinity: pH: 7.8 (pH 7 is neutral)

## CLEANING & CARE

Can be cleaned dry and damp with chlorine or hydrogen peroxide.

## ENVIRONMENT

- 100% PET with a content of over 50% from recycled PET bottles
- 100% recyclable
- eco-1 rating within eco-bau & Minergie-Eco requirements
- Cradle to Cradle Bronze certified

## DISPOSAL

The product is recyclable as part of ECHOJAZZ's stewardship programme.

# DATASHEET ECHOBOARD® 24MM



EchoBoard® 24mm is a high quality sound absorber with an aw of up to 1.00 and a NRC of up to 0.95, which can be used for acoustic ceilings, walls, office desks or room dividers.

<b>DESCRIPTION</b>	EchoBoard® 24mm																												
<b>DIMENSIONS</b>	1800mm (± 1mm) x 2400mm (± 1mm)																												
<b>COMPOSITION</b>	100% PET (> 50% recycled PET)																												
<b>PET BOTTLES* PER PANEEL</b>	303 PET Bottles *The number of PET bottles refers to 500ml PET bottles with a bottle weight of 24g.																												
<b>WEIGHT</b>	3600g/m <sup>2</sup> (± 10%)																												
<b>MATERIAL THICKNESS</b>	24mm																												
<b>LIGHTFASTNESS ISO 105-B02-1994</b>	> 7																												
<b>FIRE TEST EN 13501</b>	B-s1, d0																												
<b>VOC EMISSIONS ASTM D5116</b>	< 0.5mg/m <sup>2</sup> /h																												
<b>FORMALDEHYDE EMISSIONS ASTM D5116</b>	< 0.1mg/m <sup>2</sup> /h																												
<b>ENVIRONMENTAL CERTIFICATIONS</b>	eco1 Minergie-Eco Cradle to Cradle Certified® Bronze M1 emission-free materials																												
<b>SOUND ABSORPTION DIN EN ISO 11654 ASTM C423</b>	aw 0.50 (direct mount) aw 0.65 (50mm wall/ceiling distance) aw 1.00 (200mm wall/ceiling distance)  NRC = 0.70 (direct mount) NRC = 0.80 (50mm wall/ceiling distance) NRC = 0.95 (200mm wall/ceiling distance)																												
<b>COLOURS</b>	> 20																												
<b>SOUND ABSORPTION GRAPH</b>	<p>The graph plots the Sound Absorption Coefficient (Y-axis, 0.00 to 1.20) against Frequency in Hertz (X-axis, 125 to 4000 Hz). Three data series are shown: direct mount (green line), 50mm distance (yellow line), and 200mm distance (blue line). The 200mm distance configuration consistently shows the highest absorption, reaching a coefficient of 1.00 across most frequencies. The 50mm distance configuration reaches 1.00 at higher frequencies, and the direct mount configuration shows the lowest absorption, peaking around 0.95 at 2000 Hz.</p> <table border="1"> <caption>Approximate data points from the Sound Absorption Graph</caption> <thead> <tr> <th>Frequency (Hz)</th> <th>Direct Mount (Green)</th> <th>50mm Distance (Yellow)</th> <th>200mm Distance (Blue)</th> </tr> </thead> <tbody> <tr> <td>125</td> <td>0.02</td> <td>0.15</td> <td>0.52</td> </tr> <tr> <td>250</td> <td>0.18</td> <td>0.35</td> <td>0.85</td> </tr> <tr> <td>500</td> <td>0.65</td> <td>0.85</td> <td>1.05</td> </tr> <tr> <td>1000</td> <td>0.95</td> <td>1.05</td> <td>0.95</td> </tr> <tr> <td>2000</td> <td>1.05</td> <td>0.95</td> <td>0.95</td> </tr> <tr> <td>4000</td> <td>1.05</td> <td>0.95</td> <td>0.95</td> </tr> </tbody> </table>	Frequency (Hz)	Direct Mount (Green)	50mm Distance (Yellow)	200mm Distance (Blue)	125	0.02	0.15	0.52	250	0.18	0.35	0.85	500	0.65	0.85	1.05	1000	0.95	1.05	0.95	2000	1.05	0.95	0.95	4000	1.05	0.95	0.95
Frequency (Hz)	Direct Mount (Green)	50mm Distance (Yellow)	200mm Distance (Blue)																										
125	0.02	0.15	0.52																										
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4000	1.05	0.95	0.95																										

# COLOURS ECHOBOARD® 24MM



## ECHOBOARD® 24MM



\*Discontinued. Colour available from stock while supplies last or on request with a minimum order quantity.



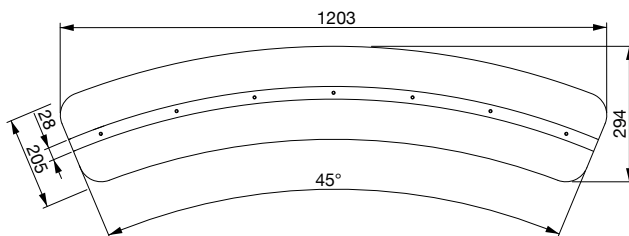
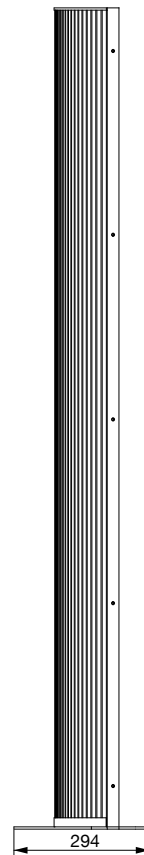
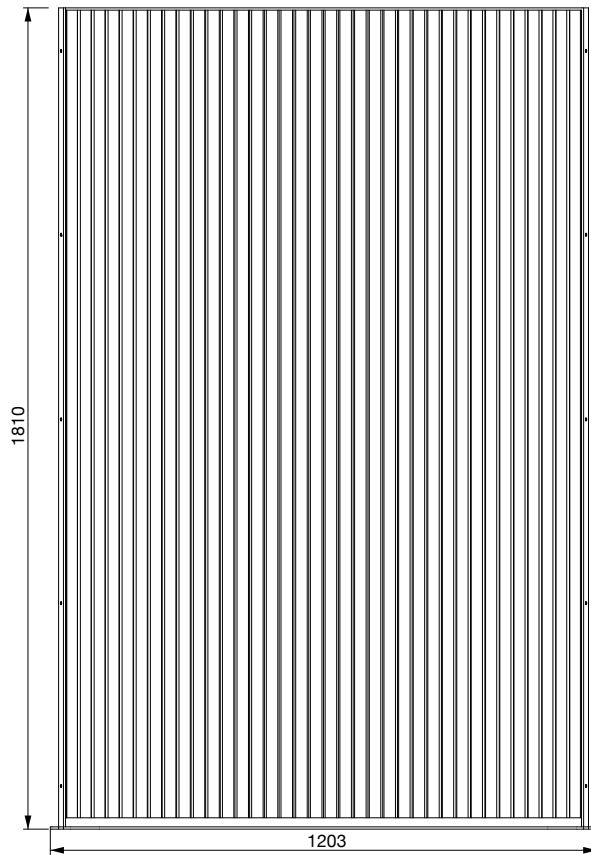
# DIMENSIONS & PARTS



ECHOCOVE® 24MM BOW VERTIGO

1683/1688-1

1203x1810x294mm



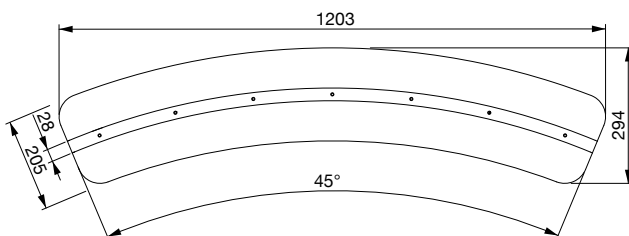
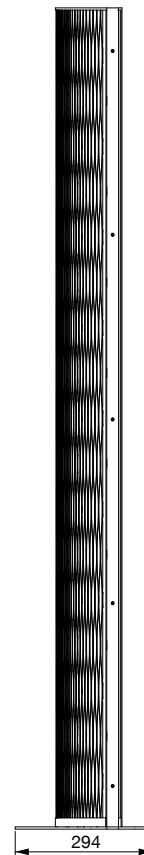
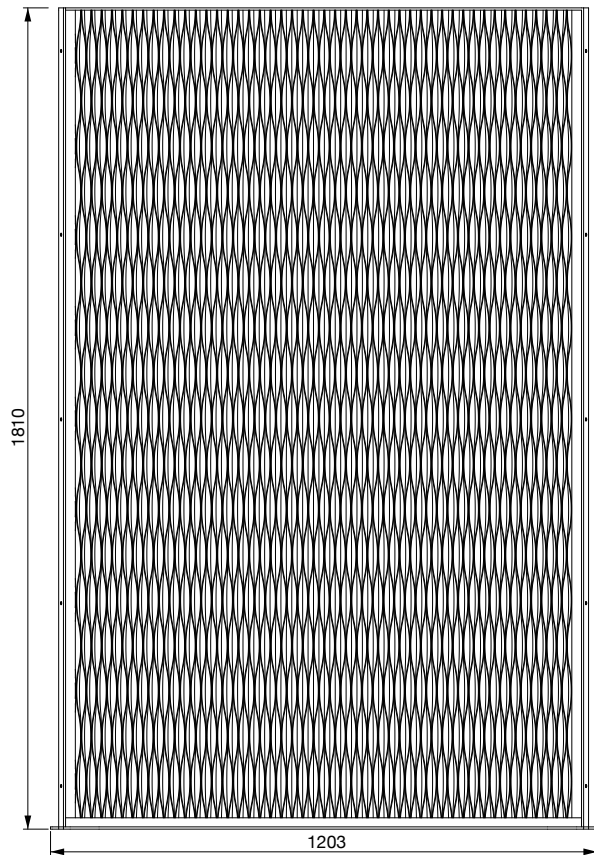
# DIMENSIONS & PARTS



ECHOCOVE® 24MM BOW WOVEN

1683/1688-3

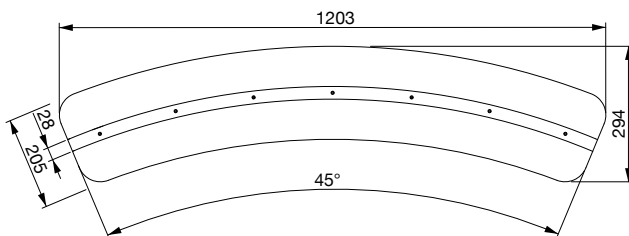
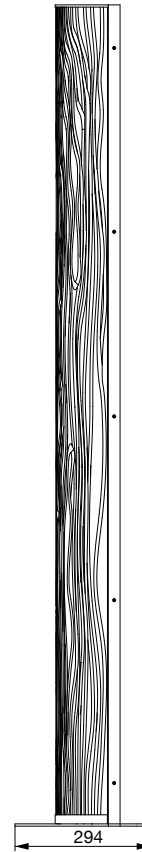
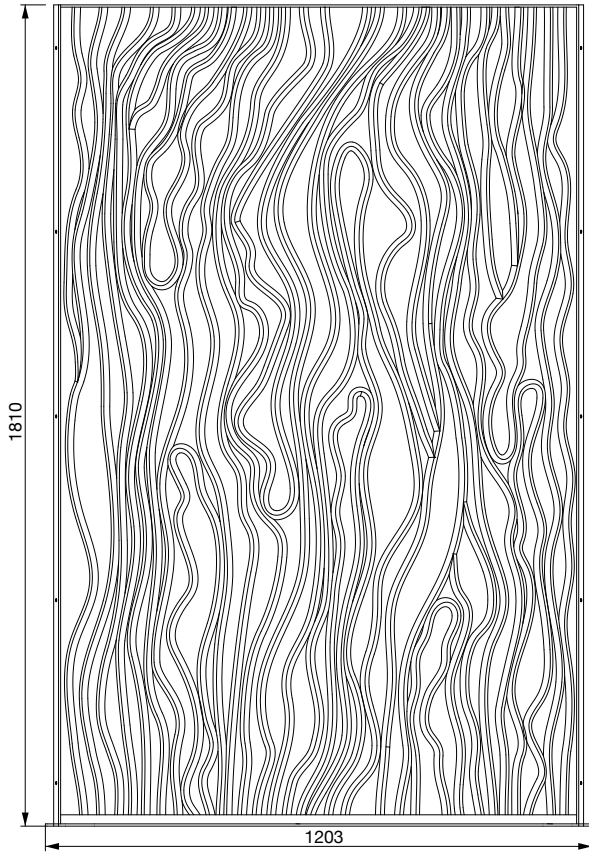
1203x1810x294mm



# DIMENSIONS & PARTS



ECHOCOVE® 24MM BOW SERENITY (DESIGNED BY JULIA STÖCKLI)  
1683/1688-2  
1203x1810x294mm



# CLEANING & CARE

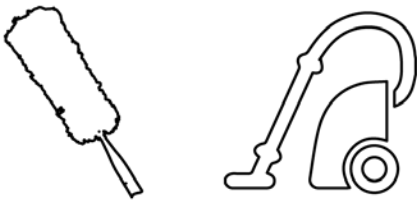
## SURFACE DISINFECTION

Spray disinfectants can be used for rapid surface disinfection.



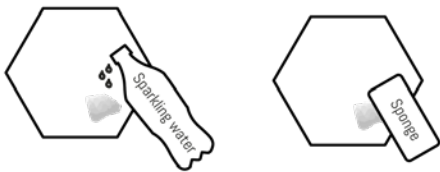
## DUSTER/VACUUM CLEANER

For dusting use duster or vacuum cleaner.



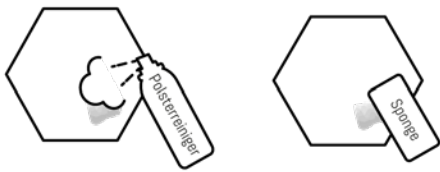
## SPARKLING WATER

For slight contamination apply sparkling water to polluted area. Wipe carefully with a sponge.



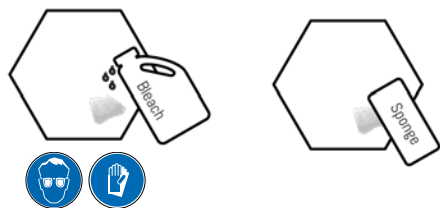
## UPHOLSTERY CLEANER

For medium contamination apply upholstery cleaner to polluted area. Wipe carefully with a sponge.



## BLEACH

For heavy contamination apply bleach as chlorine or hydrogen peroxide on polluted area. Wipe carefully with a sponge and sparkling water.  
**Use of protection gloves and glasses is mandatory!**



Please make first a cleaning attempt on an inconspicuous spot. Follow the instructions of the cleaning agents.