



ECHO**JAZZ** AG
RINGSTRASSE 25
6010 KRIENS
SWITZERLAND
[WWW.ECHO**JAZZ**.COM](http://WWW.ECHOJAZZ.COM)
+41 41 340 18 80
[INFO@ECHO**JAZZ**.COM](mailto:INFO@ECHOJAZZ.COM)

ECHOTOWER® 24MM ROUND DATASHEET

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PRODUCT NAME

EchoTower® 24mm ROUND (M & L)

DESCRIPTION

High-performance sound absorber with textile surface made of 100% PET.

The EchoTower® is the pioneering product in zero noise and zero waste for any room. The acoustic column is made of EchoBoard®, the high-performance absorber made from recycled PET bottles. But that's not all. With a Zero Waste goal, ECHOJAZZ products are taken back and shredded into EchoFlakes® along with offcuts. Filled with these flakes, the EchoTower® increases acoustic well-being and closes the material cycle.

The EchoTower® requires no assembly. An adjustable foot made of powder-coated sheet steel or EchoBoard® is optional. The acoustic column with relief structure is an eye-catcher, achieves outstanding absorption values and ensures acoustic well-being. The recyclable EchoTower® with over 465 recycled PET bottles stands for sustainability by design without compromise.

PRODUCT PROPERTIES

Diameter: 367mm (M & L)

Height: 924mm (M) / 1800mm (L)

Weight: 12kg (M) / 23kg (L)

PET Bottles: 249 (M) / 465 (L)

ACOUSTIC PERFORMANCE

aw: 0.80 - 1.05

NRC: 0.70 - 1.05

INSTALLATION

- Simple and fast installation without tools
- Suitable for use in the corners of rooms as well as for free placement in the room

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/m2/h, certified according to ASTM D5116
- Formaldehyde emission below < 0.1mg/m2/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.

DESCRIPTION	EchoBoard® 24mm																												
DIMENSIONS	1800mm (± 1mm) x 2400mm (± 1mm)																												
COMPOSITION	100% PET (> 50% recycled PET)																												
PET BOTTLES* PER PANEEL	303 PET Bottles *The number of PET bottles refers to 500ml PET bottles with a bottle weight of 24g.																												
WEIGHT	3600g/m² (± 10%)																												
MATERIAL THICKNESS	24mm																												
LIGHTFASTNESS ISO 105-B02-1994	> 7																												
FIRE TEST EN 13501	B-s1, d0																												
VOC EMISSIONS ASTM D5116	< 0.5mg/m²/h																												
FORMALDEHYDE EMISSIONS ASTM D5116	< 0.1mg/m²/h																												
ENVIRONMENTAL CERTIFICATIONS	eco1 Minergie-Eco Cradle to Cradle Certified® Bronze M1 emission-free materials																												
SOUND ABSORPTION DIN EN ISO 11654 ASTM C423	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)																												
COLOURS	> 20																												
SOUND ABSORPTION GRAPH	<table><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>0.05</td><td>0.15</td><td>0.55</td></tr><tr><td>250</td><td>0.15</td><td>0.35</td><td>0.85</td></tr><tr><td>500</td><td>0.55</td><td>0.85</td><td>1.05</td></tr><tr><td>1000</td><td>0.85</td><td>1.05</td><td>0.85</td></tr><tr><td>2000</td><td>1.05</td><td>1.00</td><td>0.95</td></tr><tr><td>4000</td><td>1.05</td><td>1.00</td><td>1.00</td></tr></tbody></table> <p>Legend:</p> <ul style="list-style-type: none">Sound absorption coefficient (direct mount)Sound absorption coefficient (50mm)Sound absorption coefficient (200mm)	Frequency (Hz)	Direct Mount (Green)	50mm Distance (Yellow)	200mm Distance (Blue)	125	0.05	0.15	0.55	250	0.15	0.35	0.85	500	0.55	0.85	1.05	1000	0.85	1.05	0.85	2000	1.05	1.00	0.95	4000	1.05	1.00	1.00
Frequency (Hz)	Direct Mount (Green)	50mm Distance (Yellow)	200mm Distance (Blue)																										
125	0.05	0.15	0.55																										
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4000	1.05	1.00	1.00																										

COLOURS ECHOBOARD® 24MM



ECHOBOARD® 24MM



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



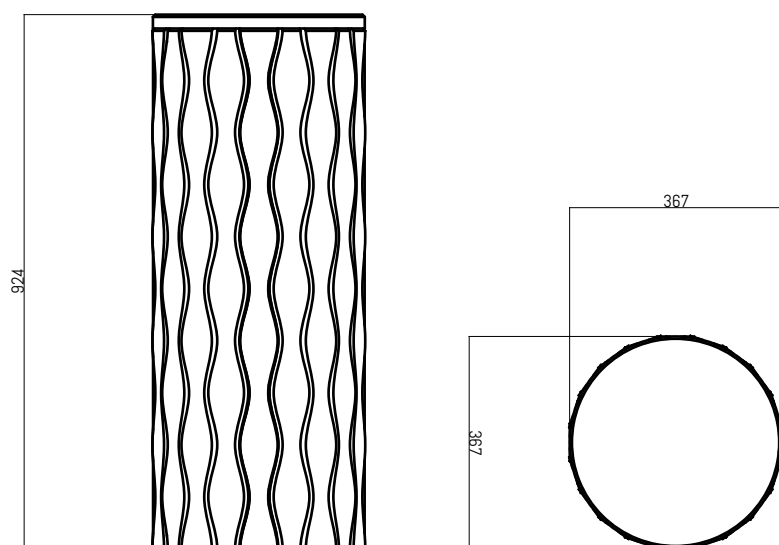
DIMENSIONS & PARTS



ECHOTOWER® 24MM ROUND WAVY M

1179

367x924x367mm



PARTS



1x
EchoTower® 24mm ROUND M

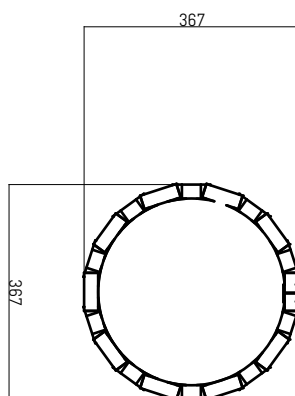
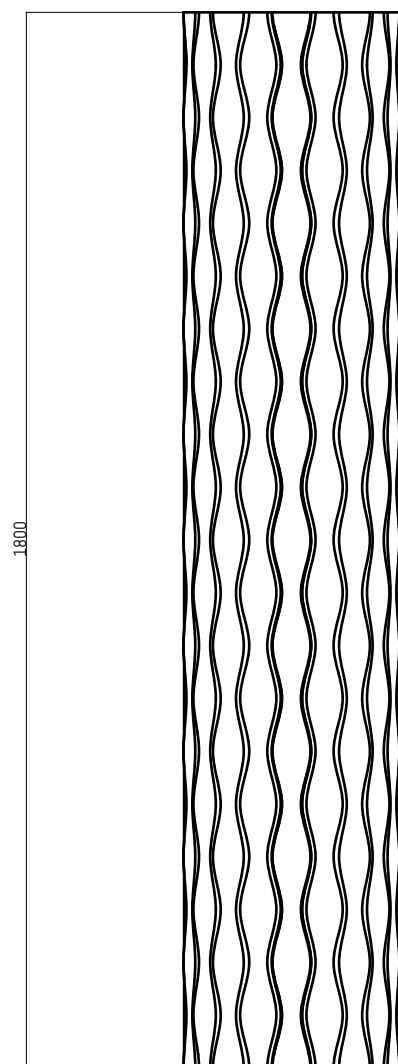
DIMENSIONS & PARTS



ECHOTOWER® 24MM ROUND WAVY L

1180

367x1800x367mm



PARTS



1x
EchoTower® 24mm ROUND L

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

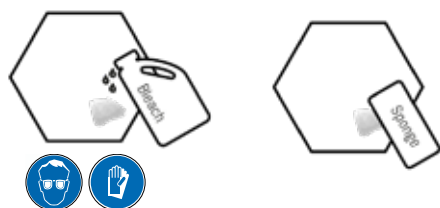
For medium contamination apply upholstery cleaner to polluted area. Wipe carefully with a sponge.



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.