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ECHOCOVE[®] 24MM ECO DATASHEET

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PRODUCT NAME

EchoCove® 24mm ECO 79/159/180

DESCRIPTION

High-performance acoustic room divider solution for soundproofing and for optimal room acoustics with textile surface made of 100% PET.

Robust high-tech felt with homogeneous texture and colour throughout. The high rigidity enables frameless installation and is very easy to install without any tool needed. This sound absorber with a recycled PET content of over 50% is ideal for functional and aesthetic acoustic solutions and a direct answer to questions about ecological and economic sustainability that arise in contemporary interior design, interior decoration and renovation.

PRODUCT PROPERTIES

Thickness: 24mm

Weight: 3600g/m² (± 10%)

ACOUSTIC PERFORMANCE

aw: 0.50 - 1.00

NRC: 0.70 - 0.95

INSTALLATION

- Frameless installation
- Suitable for use in rooms as well as roofed outdoor areas
- Very easy to trim with a knife

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>1.00</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> Legend: - 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	1.00	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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2000	1.00	1.00	0.95																										
4000	1.05	1.00	1.00																										

COLOURS ECHOBOARD® 24MM



ECHOBOARD® 24MM



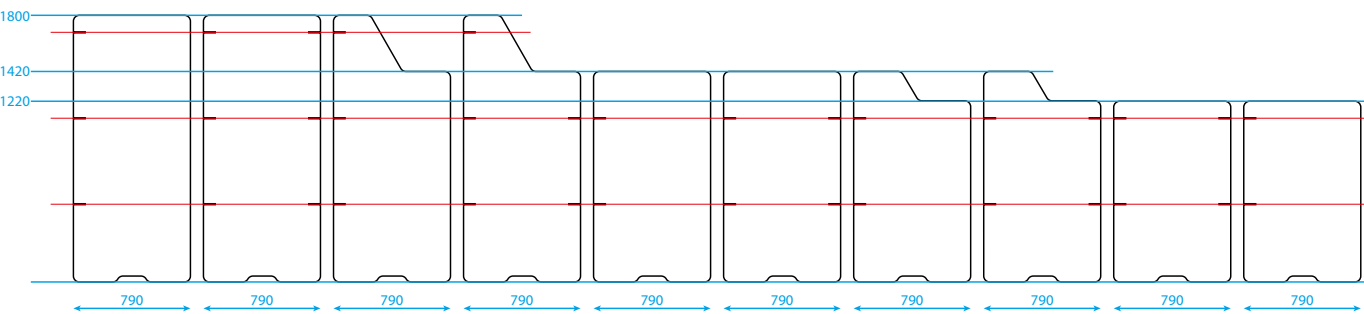
*Discontinued. Colour available from stock while supplies last or on request with a minimum order quantity.



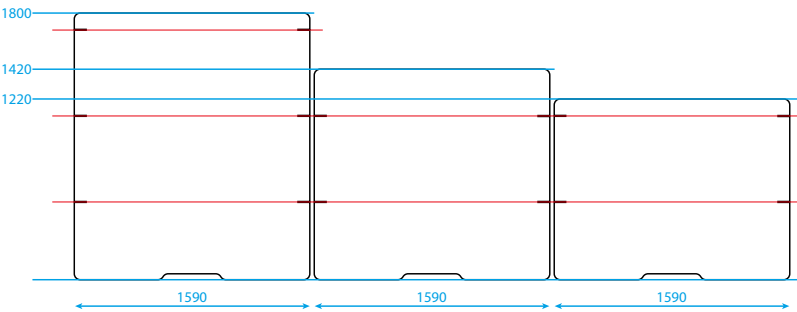
DIMENSIONS & PARTS



ECHOCOVE® ECO 79



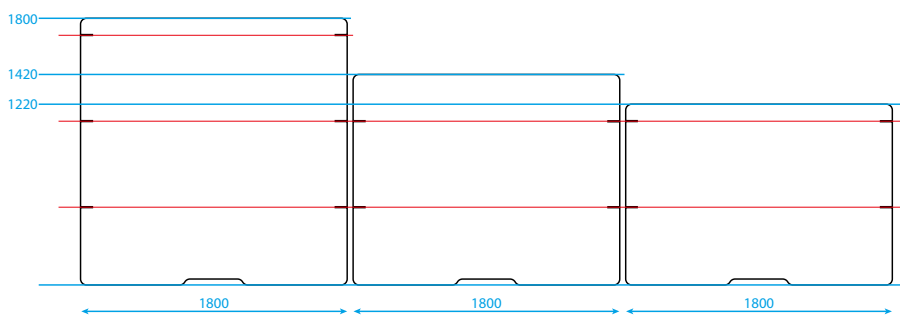
ECHOCOVE® ECO 159



DIMENSIONS & PARTS



ECHOCOVE® ECO 180



DIMENSIONS & PARTS



ECHOCOVE® JOINER

each joiner comes as a pair of two

ECHOCOVE® JOINER 120



ECHOCOVE® JOINER 90



ECHOCOVE® JOINER PIVOT



ECHOCOVE® JOINER STRAIGHT



ECHOCOVE® JOINER T



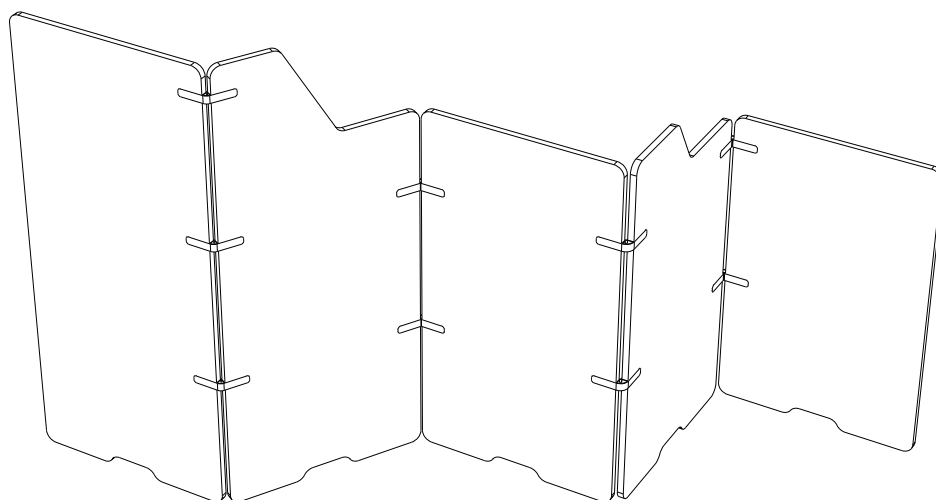
ECHOCOVE® JOINER X



EXAMPLES OF USE



PARTITION WALL



DESK PRIVACY



EXAMPLES OF USE



DESK OPPOSITE



DESK ROW



EXAMPLES OF USE



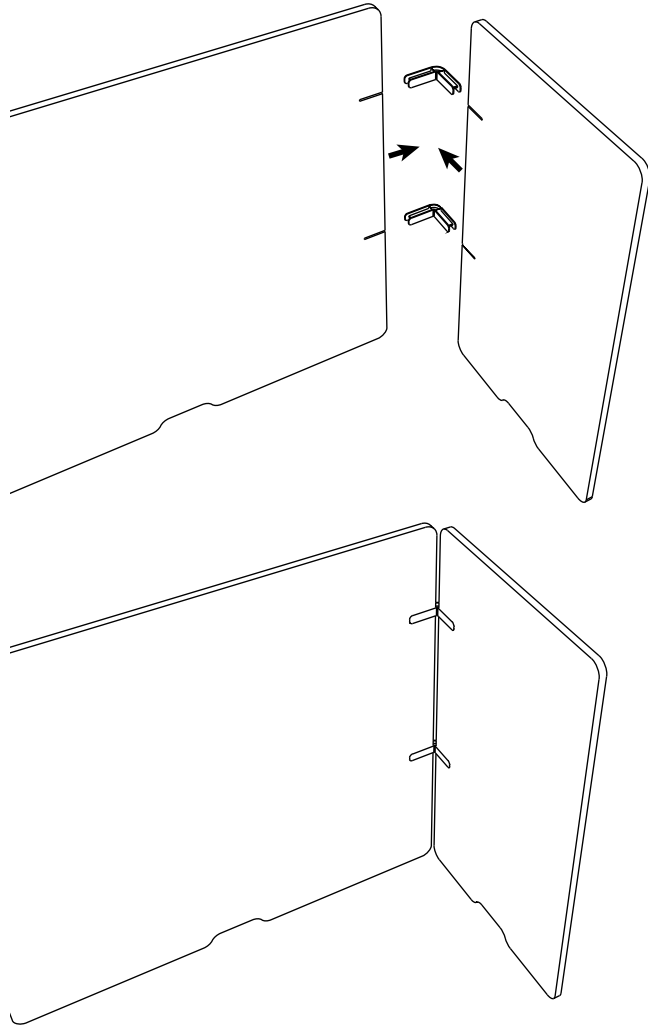
DESK ISLE

INSTALLATION

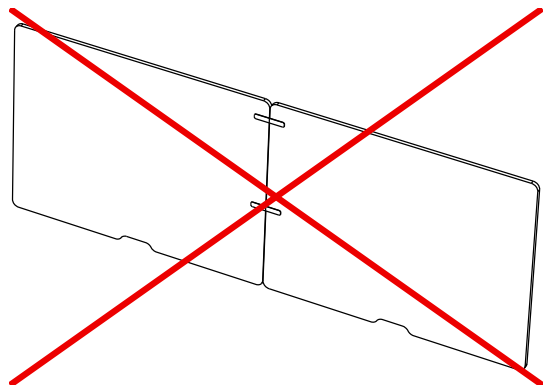
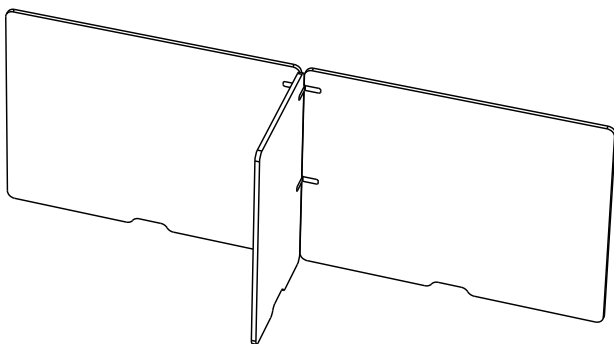


MOUNTING WITH ECHOCOVE® JOINERS

The required connectors are plugged into the EchoCove panels



The EchoCove parts must be combined in a manner that at least one part is in an angle to the others. We do not recommend using two longer parts with EchCove STRAIGHT® connectors as this will lead to instability.



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

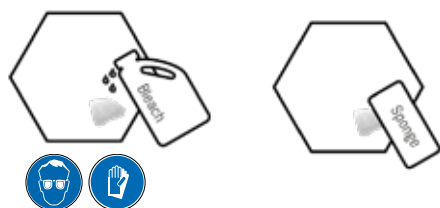
For medium contamination apply upholstery cleaner to polluted area. Wipe carefully with a sponge.



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.