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ECHO**FIELD**[®] 24MM DATASHEET

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PRODUCT NAME

EchoField® 24mm

DESCRIPTION

High-performance acoustic wall panel with textile surface made of 100% PET.

EchoField® 24mm is made of robust high-tech felt with homogeneous texture and colour throughout. 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. The high stiffness enables a crossbar made out of the same material. Adjustments can be made very easily by mechanical processing.

PRODUCT PROPERTIES

Thickness: 24mm

Weight: 3600g/m² (± 10%)

Corner radius: 200mm

ACOUSTIC PERFORMANCE

aw: 0.50 - 1.00

NRC: 0.70 - 0.95

INSTALLATION

- Suitable for use in rooms as well as roofed outdoor areas
- Very easy to trim with a knife
- Easily height-adjustable and screwable

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	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 wall/ceiling distance (yellow line), and 200mm wall/ceiling distance (blue line). The 200mm distance consistently shows the highest absorption across most frequencies, peaking around 1.05 at 1000 Hz. The 50mm distance shows intermediate absorption, and the direct mount shows the lowest absorption, particularly at lower frequencies. <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>0.75</td><td>0.95</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>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	0.05	0.15	0.55	250	0.15	0.35	0.85	500	0.55	0.75	0.95	1000	0.85	1.05	0.85	2000	1.00	0.95	0.95	4000	1.05	0.95	0.95
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	0.75	0.95																										
1000	0.85	1.05	0.85																										
2000	1.00	0.95	0.95																										
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



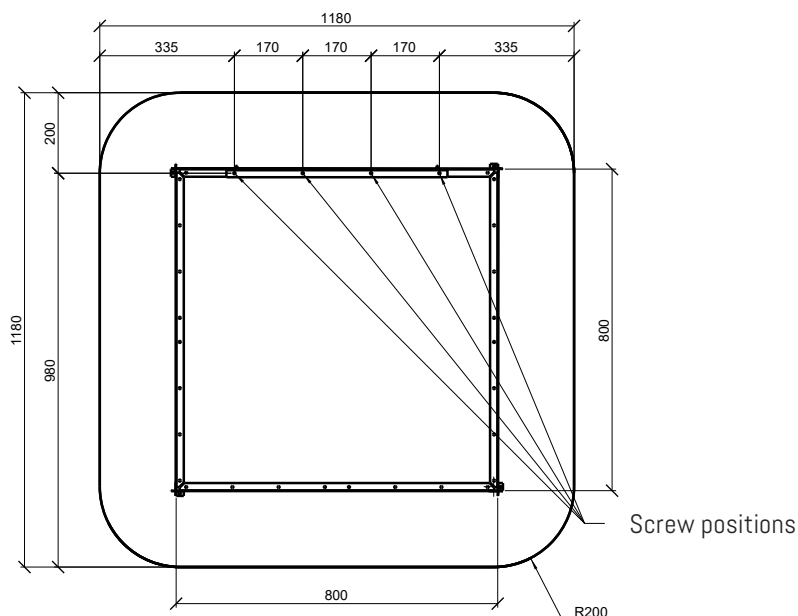
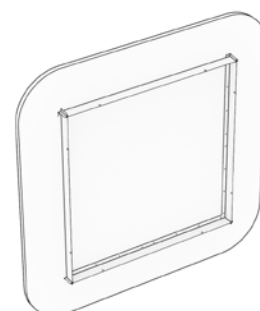
ECHOFIELD® 24MM SQUARE M

1270

Acoustic absorber: 1180 x 1180 x 24 mm

Frame: 800 x 800 x 50 mm

please note, this product comes always in a set of two pieces



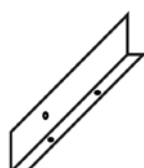
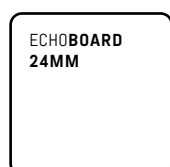
PARTS

1 x EchoBoard® 24mm
1180 x 1180 x 24 mm

4 x L-profile
800 x 50 x 20 x 1.2 mm

1 x wall mount
550 x 20 x 20 x 2 mm

32 x screw (for the L-profiles)
Panhead 3.9 x 11 mm PH2



DIMENSIONS & PARTS

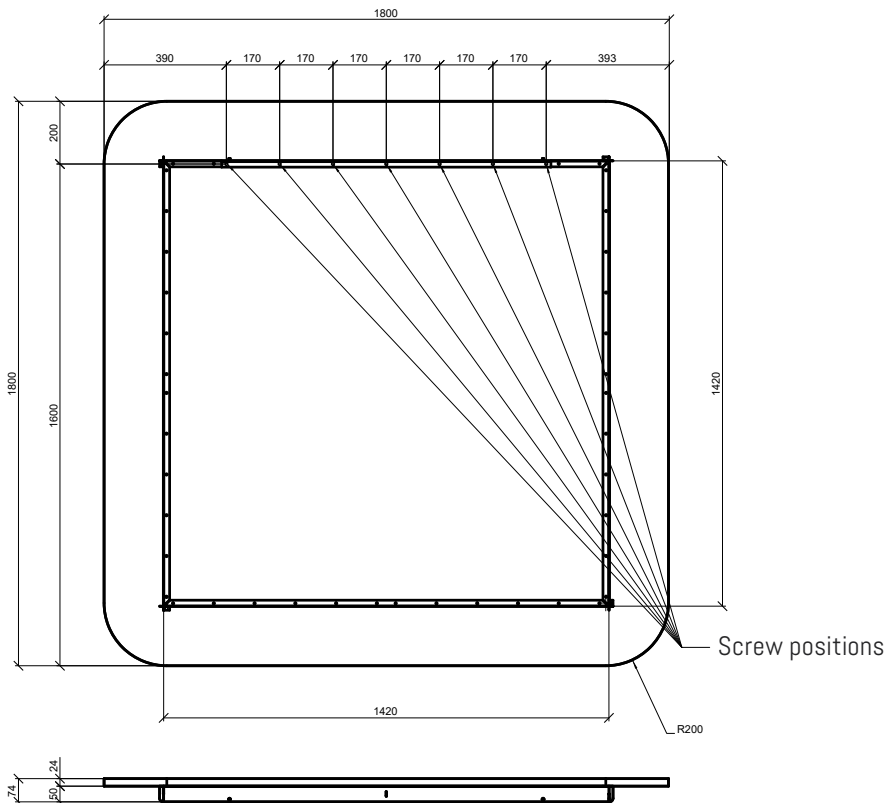
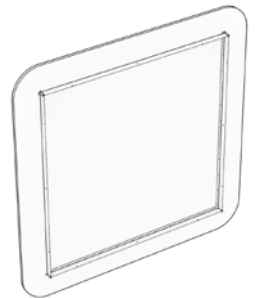


ECHOFIELD® 24MM SQUARE L

1271

Acoustic absorber: 1800 x 1800 x 24 mm

Frame: 1420 x 1420 x 50 mm



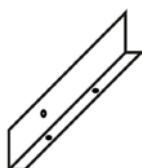
PARTS

1 x EchoBoard® 24mm
1800 x 1800 x 24 mm

4 x L-profile
1420 x 50 x 20 x 1.2 mm

1 x wall mount
1050 x 20 x 20 x 2 mm

48 x screw (for the L-profiles)
Panhead 3.9 x 11 mm PH2



DIMENSIONS & PARTS

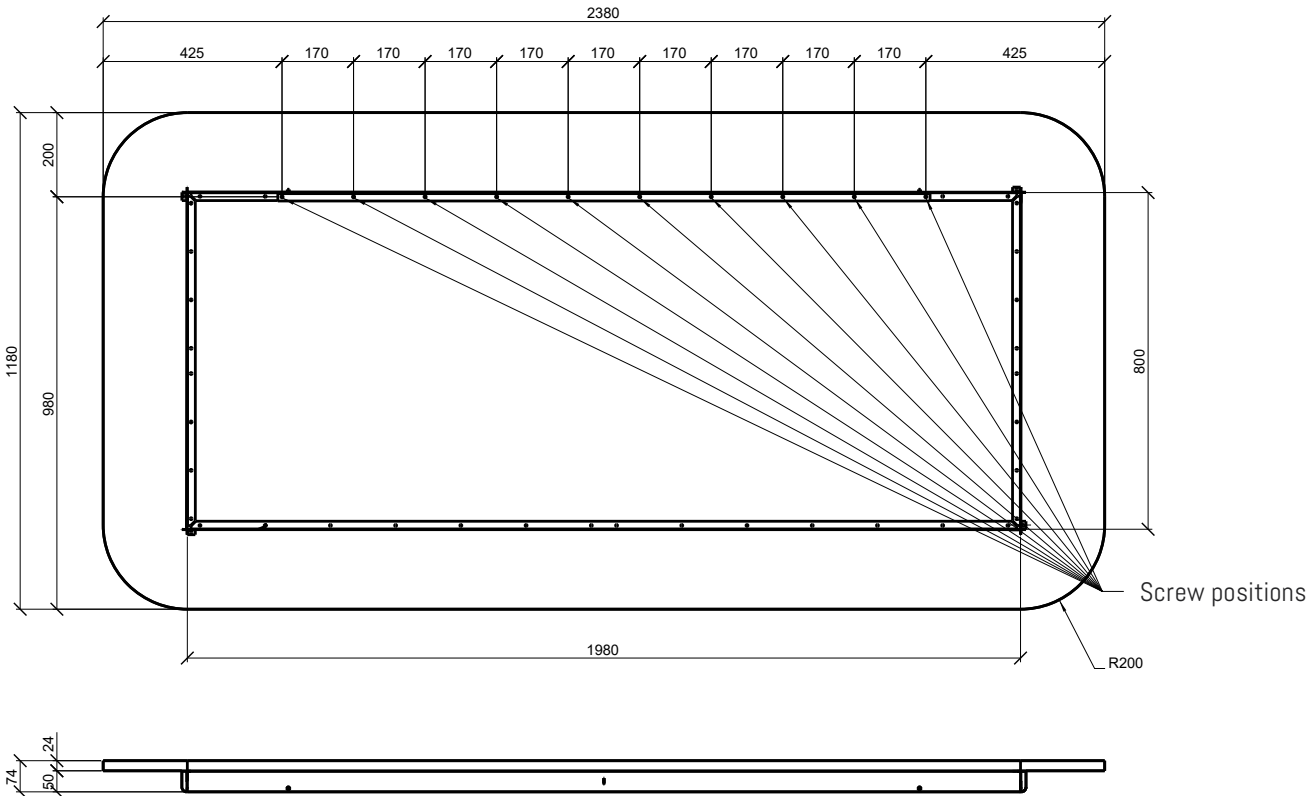
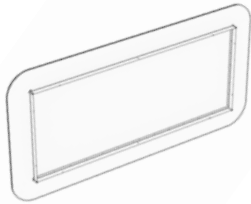


ECHOFIELD® 24MM RECTANGLE M

1266

Acoustic absorber: 2380 x 1180 x 24 mm

Frame: 800 x 1980 x 50 mm



PARTS

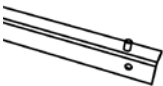
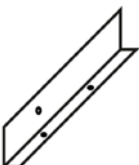
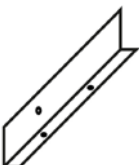
1 x EchoBoard® 24mm
2380 x 1180 x 24 mm

2 x L-profile
1980 x 50 x 20 x 1.2 mm

2 x L-profile
800 x 50 x 20 x 1.2 mm

1 x wall mount
1550 x 20 x 20 x 2 mm

44 x screw (for the L-profiles)
Panhead 3.9 x 11 mm PH2

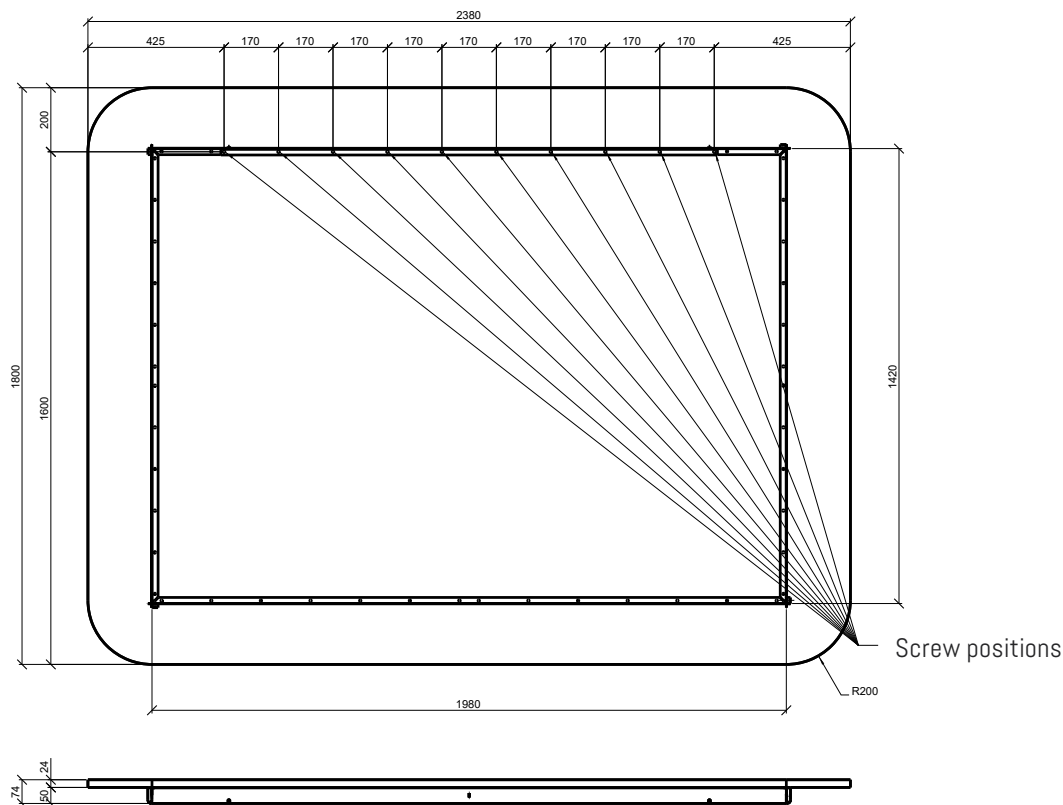


DIMENSIONS & PARTS



ECHOFIELD® 24MM RECTANGLE L 1267

Acoustic absorber: 2380 x 1800 x 24 mm
Frame: 1420 x 1980 x 50 mm



PARTS

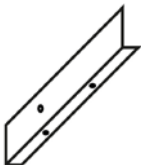
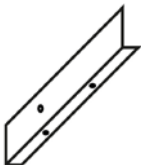
1 x EchoBoard® 24mm
2380 x 1800 x 24 mm

2 x L-profile
1980 x 50 x 20 x 1.2 mm

2 x L-profile
1420 x 50 x 20 x 1.2 mm

1 x wall mount
1050 x 20 x 20 x 2 mm

52 x screw (for the L-profiles)
Panhead 3.9 x 11 mm PH2



DIMENSIONS & PARTS



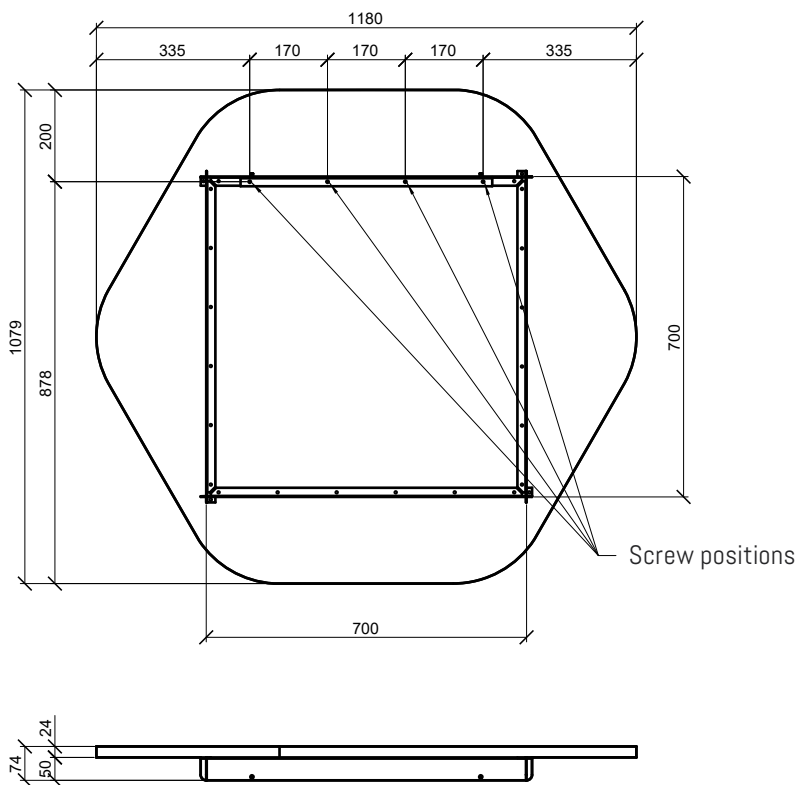
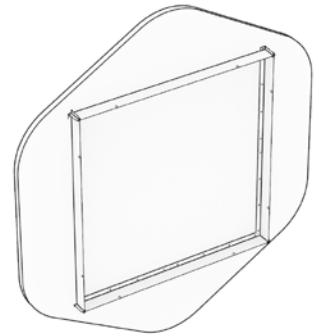
ECHOFIELD® 24MM HEXAGON M

1263

Acoustic absorber: 1180 x 1078 x 24 mm

Frame: 700 x 700 50 mm

please note, this product comes always in a set of two pieces



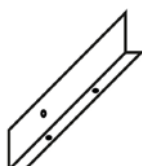
PARTS

1 x EchoBoard® 24mm
1180 x 1078 x 24 mm

4 x L-profile
700 x 50 x 20 x 1.2 mm

1 x wall mount
550 x 20 x 20 x 2 mm

24 x screw (for the L-profiles)
Panhead 3.9 x 11 mm PH2



DIMENSIONS & PARTS

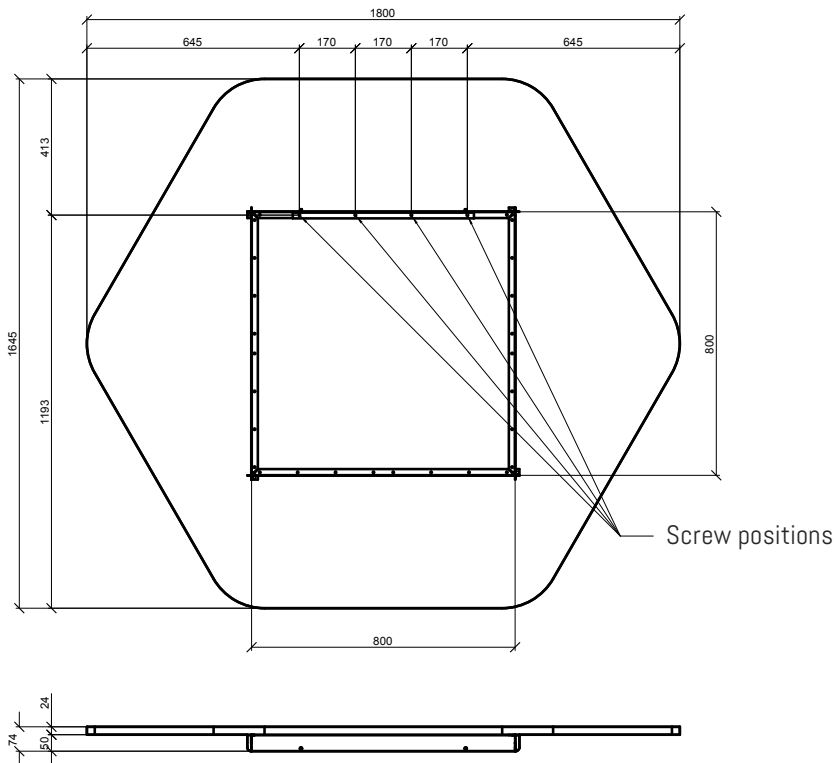
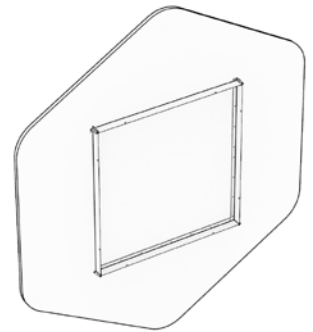


ECHOFIELD® 24MM HEXAGON L

1264

Acoustic absorber: 1800 x 1645 x 24 mm

Frame: 800 x 800 x 50 mm



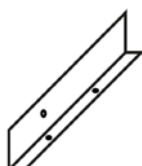
PARTS

1 x EchoBoard® 24mm
1800 x 1645 x 24 mm

4 x L-profile
800 x 50 x 20 x 1.2 mm

1 x wall mount
550 x 20 x 20 x 2 mm

32 x screw (for the L-profiles)
Panhead 3.9 x 11 mm PH2



DIMENSIONS & PARTS



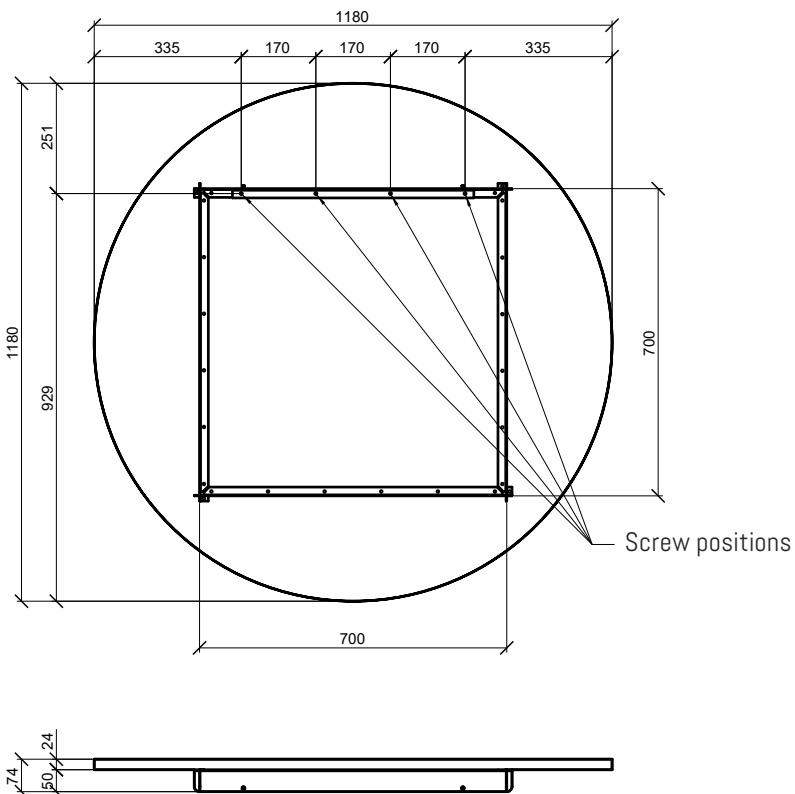
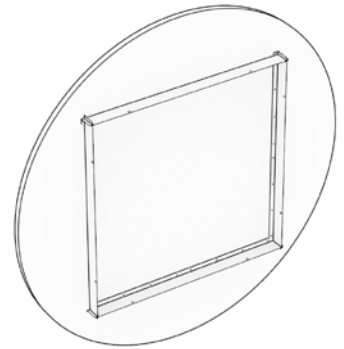
ECHOFIELD® 24MM ROUND M

1268

Acoustic absorber: Ø1180 x 24 mm

Frame: 700 x 700 x 50 mm

please note, this product comes always in a set of two pieces



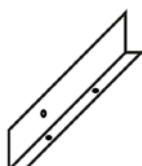
PARTS

1 x EchoBoard® 24mm
Ø1180 x 24 mm

4 x L-profile
700 x 50 x 20 x 1.2 mm

1 x wall mount
550 x 20 x 20 x 2 mm

24 x screw (for the L-profiles)
Panhead 3.9 x 11 mm PH2



DIMENSIONS & PARTS

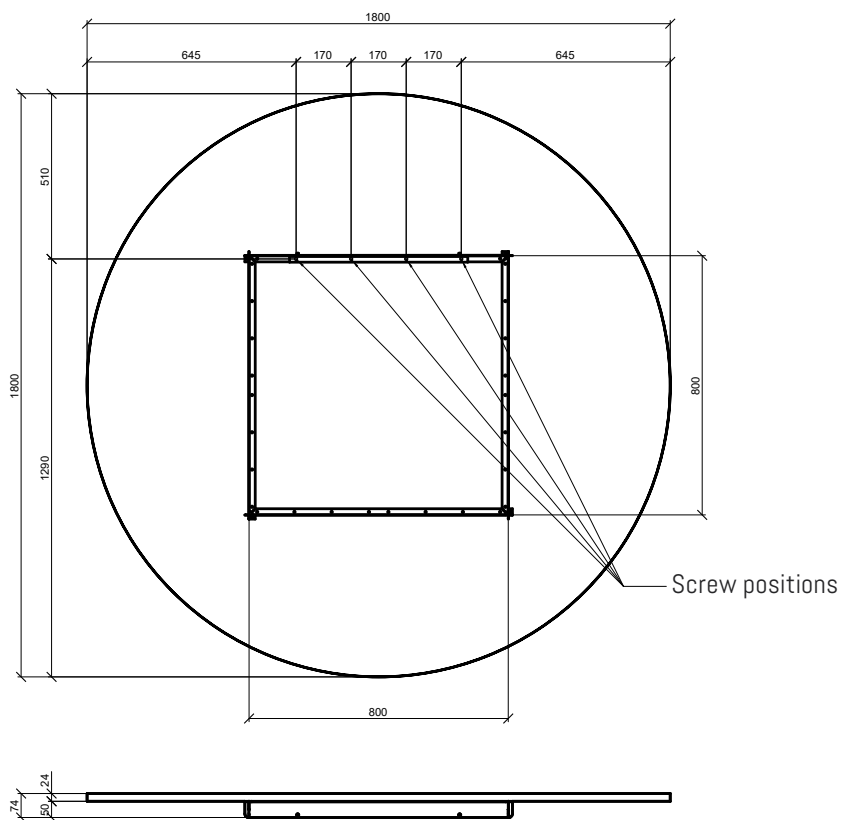
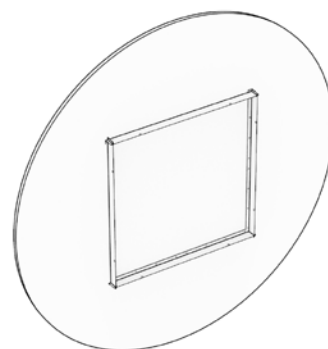


ECHOFIELD® 24MM ROUND L

1269

Acoustic absorber: Ø1800 x 24 mm

Frame: 800 x 800 x 50 mm



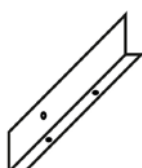
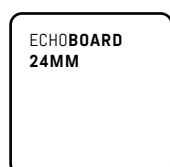
PARTS

1 x EchoBoard® 24mm
Ø1800 x 24 mm

4 x L-profile
800 x 50 x 20 x 1.2 mm

1 x wall mount
550 x 20 x 20 x 2 mm

32 x screw (for the L-profiles)
Panhead 3.9 x 11 mm PH2

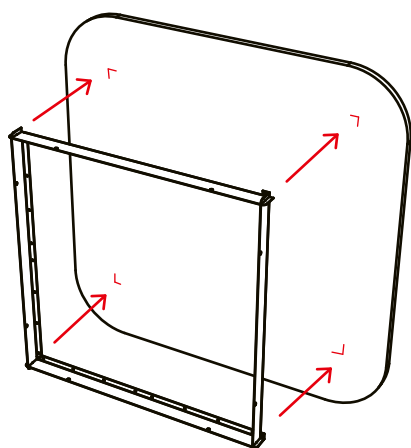


INSTALLATION

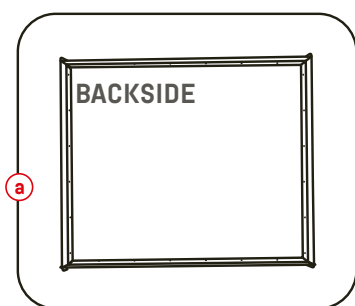
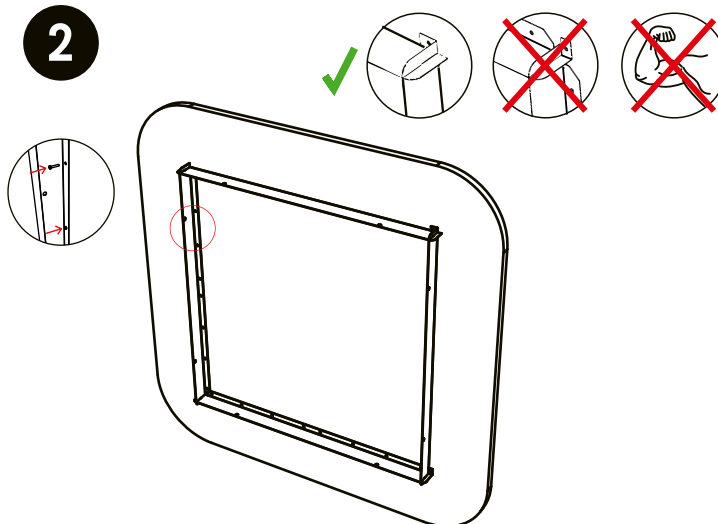


WALL MOUNTING SYSTEM

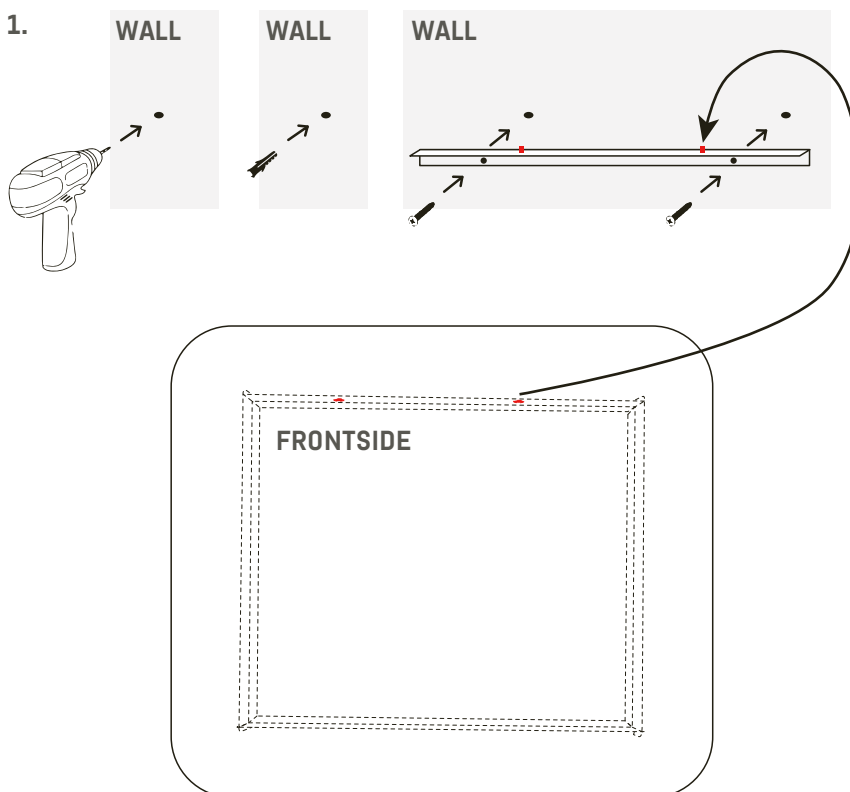
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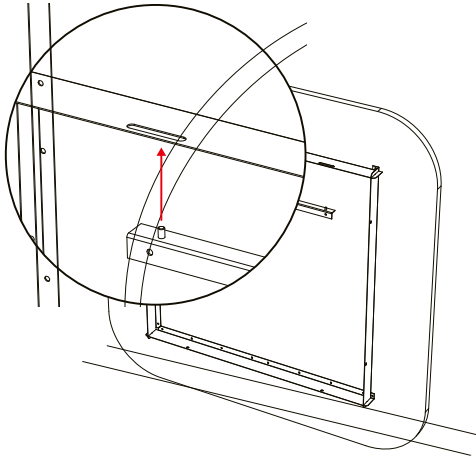
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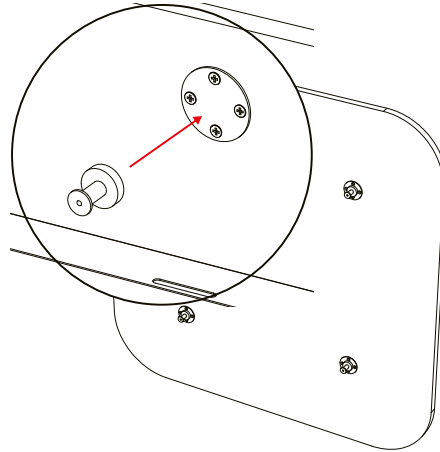
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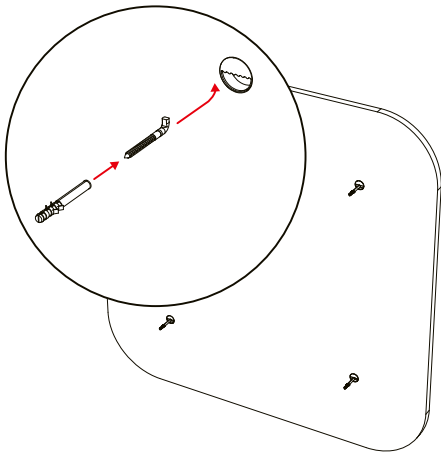
OPTIONS WALL MOUNTING SYSTEMS



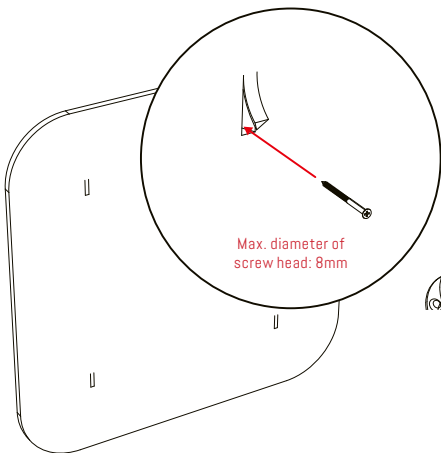
L-PROFILE: 50MM WALL DISTANCE
With air gap & Quick-Release



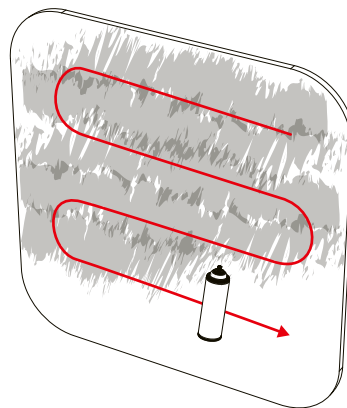
MAGNET: 37MM WALL DISTANCE
With air gap & Quick-Release



INLAY: 0-10MM WALL DISTANCE
Direct mount & Quick-Release
The INLAY System is only compatible with EchoBoard® 24mm



HIDDEN: 0MM WALL DISTANCE
Direct mount & hidden screws



ECHOGLUE®: 0MM WALL DISTANCE
Direct mount & Permanent

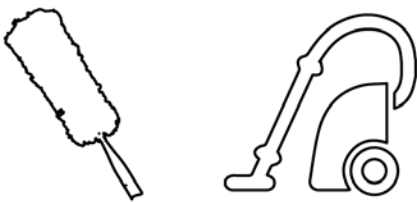
SURFACE DISINFECTION

Spray disinfectants can be used for rapid surface disinfection.



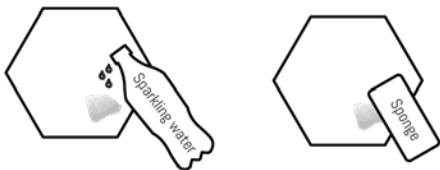
DUSTER/VACUUM CLEANER

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

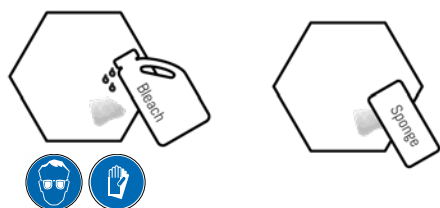
For medium contamination apply upholstery cleaner to polluted area. Wipe carefully with a sponge.



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.