



**ECHOBORD® 12MM  
PRODUCT DATA SHEET**

# TABLE OF CONTENT



<b>INHALTSVERZEICHNIS</b> .....	2
<b>AUSSCHREIBUNGSTEXT</b> .....	3
<b>DATENBLATT</b> .....	4
<b>FARBEN</b> .....	5
<b>DIMENSIONEN ECHOBORD® 12MM</b> .....	6
<b>MONTAGEANLEITUNG ECHOGLUE®</b> .....	7
<b>REINIGUNG</b> .....	8

## DESCRIPTION

EchoBoard® is a high-quality sound absorber made of beautiful high-tech felt boards in 12mm & 24mm material thickness. This sound absorber made of 100% PET, with a recycled content of over 50%, is ideal for functional and aesthetic acoustic solutions.

Mounting the EchoBoard® is extremely simple. The EchoGlue® contact adhesive is used to glue the EchoBoard® to the wall or ceiling. Various hangers, adapters or frames are supplied depending on the product.

EchoBoard® is a direct answer to questions about ecological and economic sustainability that arise in contemporary interior design, interior decoration and renovation.

## DIMENSIONS

Weight: 2380mm x 1180mm

Thickness: 24mm

Weight: 3000g/m<sup>2</sup> (± 10%)

## ACOUSTIC PERFORMANCE

The EchoBoard® with 12mm material thickness achieves sound absorption values from  $\alpha_w$  0.25 to 0.85 and an NRC from 0.35 to 0.90.

## INSTALLATION

- Quick installation with EchoGlue® contact adhesive
- 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 7 colours
- Dimensionally stable up to 50°C and 95%rH
- Flame retardant. B-s1,d0 certified according to EN 13501
- Extremely low volatile organic compounds below < 0.02mg/m<sup>2</sup>/h (during 7 days), certified according to ASTM D5116
- Free of formaldehyde, certified according to AATCC 112-2003
- Alkalinity: pH: 7.8 (pH 7 is neutral)
- Melting point: 250 °C
- Decomposition Temp: > 250 °C

## CLEAN & 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

## DISPOSAL

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

# DATA SHEET



<b>DESCRIPTION</b>	EchoBoard® 12mm
<b>DIMENSIONS</b>	2380mm (± 10mm) x 1180mm (± 5mm)
<b>COMPOSITION</b>	100% PET (> 50% recycled PET)
<b>PET BOTTLES* PER PANEEL</b>	140 PET Bottles *The number of PET bottles refers to 500ml PET bottles with a bottle weight of 24g.
<b>WEIGHT</b>	2400g/m <sup>2</sup> (± 10%)
<b>MATERIAL THICKNESS</b>	12mm
<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>	Oeko-Tex Standard 100
<b>SOUND ABSORPTION DIN EN ISO 11654 ASTM C423</b>	aw 0.30 (00mm air gap) aw 0.60 (50mm air gap) aw 0.90 (200mm air gap)  NRC = 0.45 (00mm air gap) NRC = 0.70 (50mm air gap) NRC = 0.85 (200mm air gap)
<b>COLOURS</b>	7
<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). Three data series are shown: 00mm air gap (light grey line), 50mm air gap (dark grey line), and 200mm air gap (black line). The 200mm air gap series starts at ~0.55 at 125 Hz and reaches ~0.95 at 4000 Hz. The 50mm air gap series starts at ~0.10 and reaches ~0.95. The 00mm air gap series starts at ~0.05 and reaches ~1.05.</p>

# COLORS



## ECHOBOARD® 12MM STANDARD COLORS



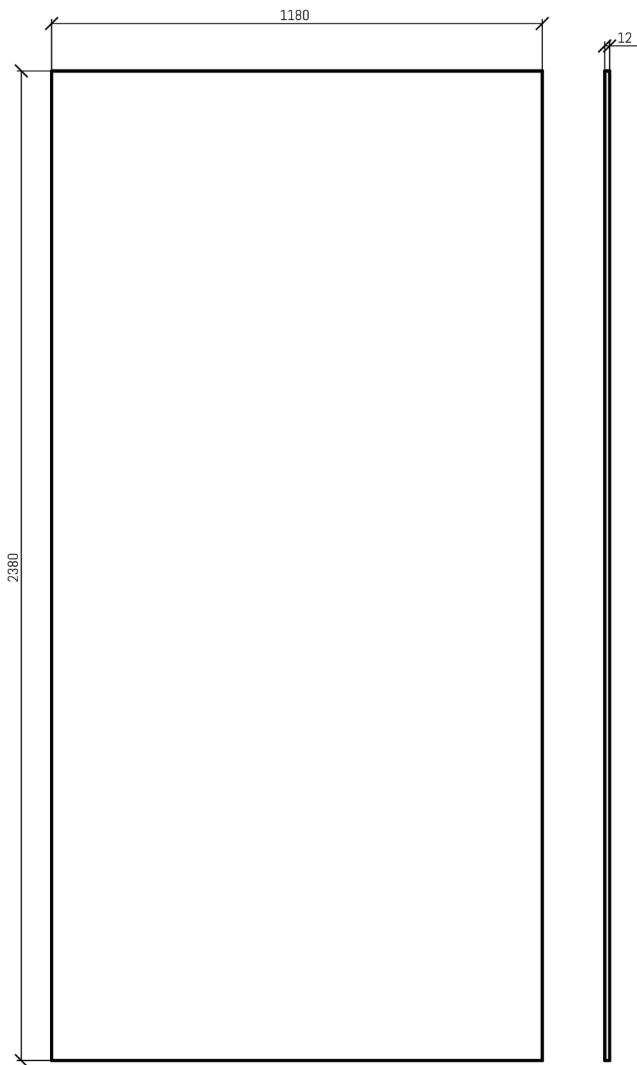
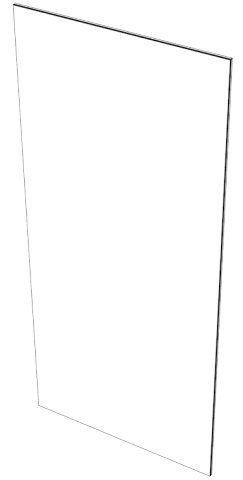
## ECHOBOARD® 12MM SPECIAL COLORS



# DIMENSIONS ECHOBOARD® 12MM



**ECHOBOARD® 12MM**  
PET12REC000000A  
2380 x 1180 x 12mm

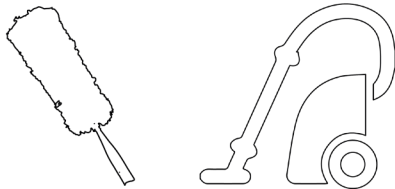


# CLEANING & CARE

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

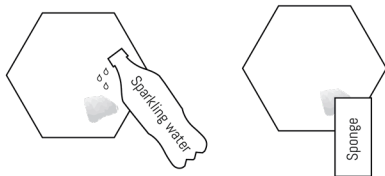
## DUSTER/VACUUM CLEANER

For dusting use duster or vacuum cleaner.



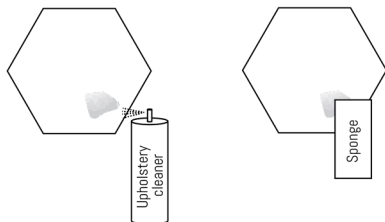
## SPARKLING WATER

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



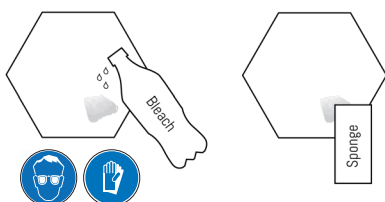
## UPHOLSTERY CLEANER

For medium contamination apply upholstery cleaner on 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.





**ECHOB<sup>®</sup>BOARD 24MM**  
**PRODUCT SHEET**



# TABLE OF CONTENT



<b>TABLE OF CONTENT</b> .....	2
<b>TENDER TEXT</b> .....	3
<b>DATA SHEET</b> .....	4
<b>COLORS</b> .....	5
<b>DIMENSIONEN ECHOBORD® 24MM</b> .....	6
<b>CLEANING &amp; CARE</b> .....	7

## DESCRIPTION

EchoBoard® is a high-quality sound absorber made of beautiful high-tech felt boards in 12mm & 24mm material thickness. This sound absorber made of 100% PET, with a recycled content of over 50%, is ideal for functional and aesthetic acoustic solutions.

Mounting the EchoBoard® is extremely simple. The EchoGlue® contact adhesive is used to glue the EchoBoard® to the wall or ceiling. Various hangers, adapters or frames are supplied depending on the product.

EchoBoard® is a direct answer to questions about ecological and economic sustainability that arise in contemporary interior design, interior decoration and renovation.

## DIMENSIONS

Weight: 2380mm x 1180mm

Thickness: 24mm

Weight: 3000g/m<sup>2</sup> (± 10%)

## ACOUSTIC PERFORMANCE

The EchoBoard® with 24mm material thickness achieves sound absorption values from  $\alpha_w$  0.55 to 0.90 and an NRC from 0.55 to 0.95.

## INSTALLATION

- Quick installation with EchoGlue® contact adhesive
- 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 21 colours
- Dimensionally stable up to 50°C and 95%rH
- Flame retardant. B-s1,d0 certified according to EN 13501
- Extremely low volatile organic compounds below < 0.02mg/m<sup>2</sup>/h (during 7 days), certified according to ASTM D5116
- Free of formaldehyde, certified according to AATCC 112-2003
- Alkalinity: pH: 7.8 (pH 7 is neutral)
- Melting point: 250 °C
- Decomposition Temp: > 250 °C

## CLEAN & 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

## DISPOSAL

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

# DATA SHEET



<b>DESCRIPTION</b>	EchoBoard® 24mm																												
<b>DIMENSIONS</b>	2380mm (± 10mm) x 1800mm (± 7.5mm)																												
<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>	3400g/m <sup>2</sup> (± 10%)																												
<b>MATERIAL THICKNESS</b>	24mm																												
<b>LIGHTFASTNESS ISO 105-B02-1994</b>	> 7																												
<b>FIRE PROTECTION 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 CERTIFICATES</b>	Oeko-Tex Standard 100																												
<b>SOUND ABSORPTION EN ISO 11654 ASTM C423</b>	aw 0.50 (00mm air gap) aw 0.65 (50mm air gap) aw 1.00 (200mm air gap)  NRC = 0.70 (00mm air gap) NRC = 0.80 (50mm air gap) NRC = 0.95 (200mm air gap)																												
<b>COLOURS</b>	21																												
<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: 00mm air gap (lightest line), 50mm air gap (middle line), and 200mm air gap (darkest line). All series show an overall upward trend, with the 200mm air gap consistently having the highest absorption coefficient, reaching 1.00 at 4000 Hz.</p> <table border="1"> <caption>Approximate data points from the Sound Absorption Graph</caption> <thead> <tr> <th>Frequency (Hz)</th> <th>00mm Air Gap</th> <th>50mm Air Gap</th> <th>200mm Air Gap</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>0.20</td> <td>0.40</td> <td>0.85</td> </tr> <tr> <td>500</td> <td>0.50</td> <td>0.75</td> <td>0.95</td> </tr> <tr> <td>1000</td> <td>0.80</td> <td>0.95</td> <td>1.00</td> </tr> <tr> <td>2000</td> <td>0.95</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>4000</td> <td>1.00</td> <td>1.00</td> <td>1.00</td> </tr> </tbody> </table>	Frequency (Hz)	00mm Air Gap	50mm Air Gap	200mm Air Gap	125	0.05	0.15	0.55	250	0.20	0.40	0.85	500	0.50	0.75	0.95	1000	0.80	0.95	1.00	2000	0.95	1.00	1.00	4000	1.00	1.00	1.00
Frequency (Hz)	00mm Air Gap	50mm Air Gap	200mm Air Gap																										
125	0.05	0.15	0.55																										
250	0.20	0.40	0.85																										
500	0.50	0.75	0.95																										
1000	0.80	0.95	1.00																										
2000	0.95	1.00	1.00																										
4000	1.00	1.00	1.00																										

# COLORS



## ECHOBOARD® 24MM STANDARD COLORS



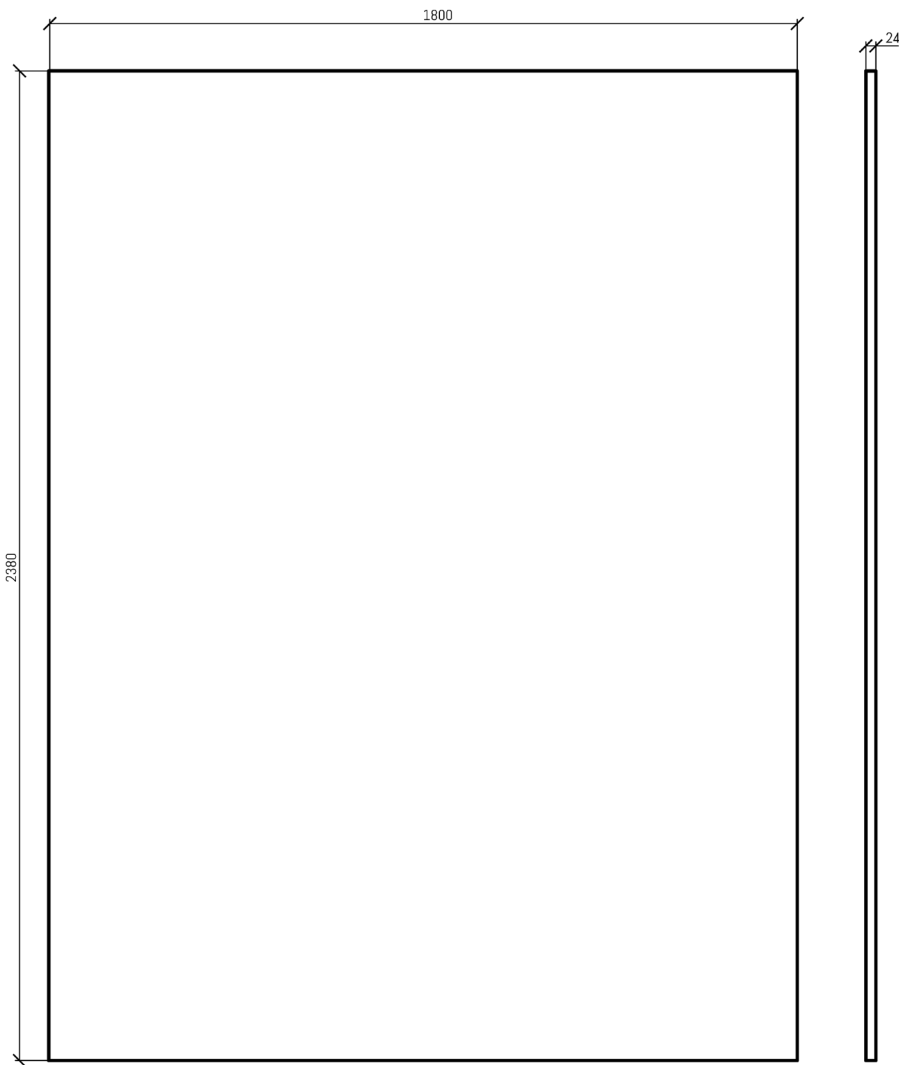
## ECHOBOARD® 24MM SPECIAL COLORS



# DIMENSIONS ECHOBOARD® 24MM



ECHOBOARD® 24MM  
PET12REC000000A  
2380 x 1800 x 24mm

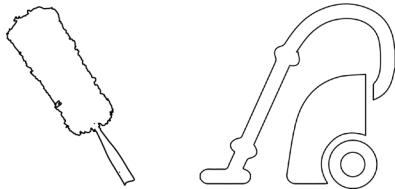


# CLEANING & CARE

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

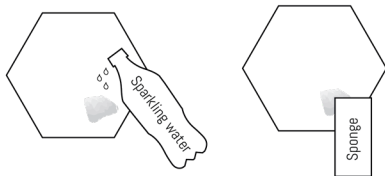
## DUSTER/VACUUM CLEANER

For dusting use duster or vacuum cleaner.



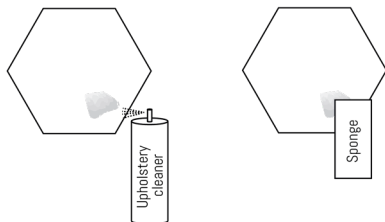
## SPARKLING WATER

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



## UPHOLSTERY CLEANER

For medium contamination apply upholstery cleaner on 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.

