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# ECHOBOARD® 12MM DATASHEET

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## PRODUCT NAME

EchoBoard® 12mm

## DESCRIPTION

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

EchoBoard® 12mm 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.

## PRODUCT PROPERTIES

Dimensions: 1200x2800mm

Thickness: 12mm

Weight: 2400g/m<sup>2</sup> (± 10%)

## ACOUSTIC PERFORMANCE

aw: 0.30 - 0.90

NRC: 0.45 - 0.85

## 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

- Homogeneous edges throughout
- Extremely robust and shockproof
- Very high colour fastness of the all-round homogeneous textile surface available in 7 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® 12MM



EchoBoard® 12mm is a high quality sound absorber with an  $\alpha_w$  of up to 0.90 and a NRC of up to 0.85, which can be used for acoustic ceilings, walls, office desks or room dividers.

<b>NAME</b>	EchoBoard® 12mm
<b>DIMENSIONS</b>	1200mm ( $\pm 1$ mm) x 2800mm ( $\pm 1$ mm)
<b>COMPOSITION</b>	100% PET (> 50% recycled PET)
<b>PET-BOTTLES* PER PANEL</b>	168 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> ( $\pm 10\%$ )
<b>MATERIAL THICKNESS</b>	12mm
<b>LIGHT FASTNESS 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>	eco1 Minergie-Eco Cradle to Cradle Certified® Bronze M1 emission-free materials
<b>ABSORPTION COEFFICIENT DIN EN ISO 11654 ASTM C423</b>	$\alpha_w$ 0.30 (direct mounting) $\alpha_w$ 0.60 (50mm wall/ceiling distance) $\alpha_w$ 0.90 (200mm wall/ceiling distance)  NRC = 0.45 (direct mounting) NRC = 0.70 (50mm wall/ceiling distance) NRC = 0.85 (200mm wall/ceiling distance)
<b>COLOURS</b>	7
<b>ABSORPTION GRAPH</b>	<p><b>SOUND ABSORPTION COEFFICIENT</b></p> <p><b>FREQUENCY (HZ)</b></p> <ul style="list-style-type: none"> <li>— Sound absorption coefficient (direct mount)</li> <li>— Sound absorption coefficient (50mm)</li> <li>— Sound absorption coefficient (200mm)</li> </ul>

# COLOURS ECHOBOARD® 12MM



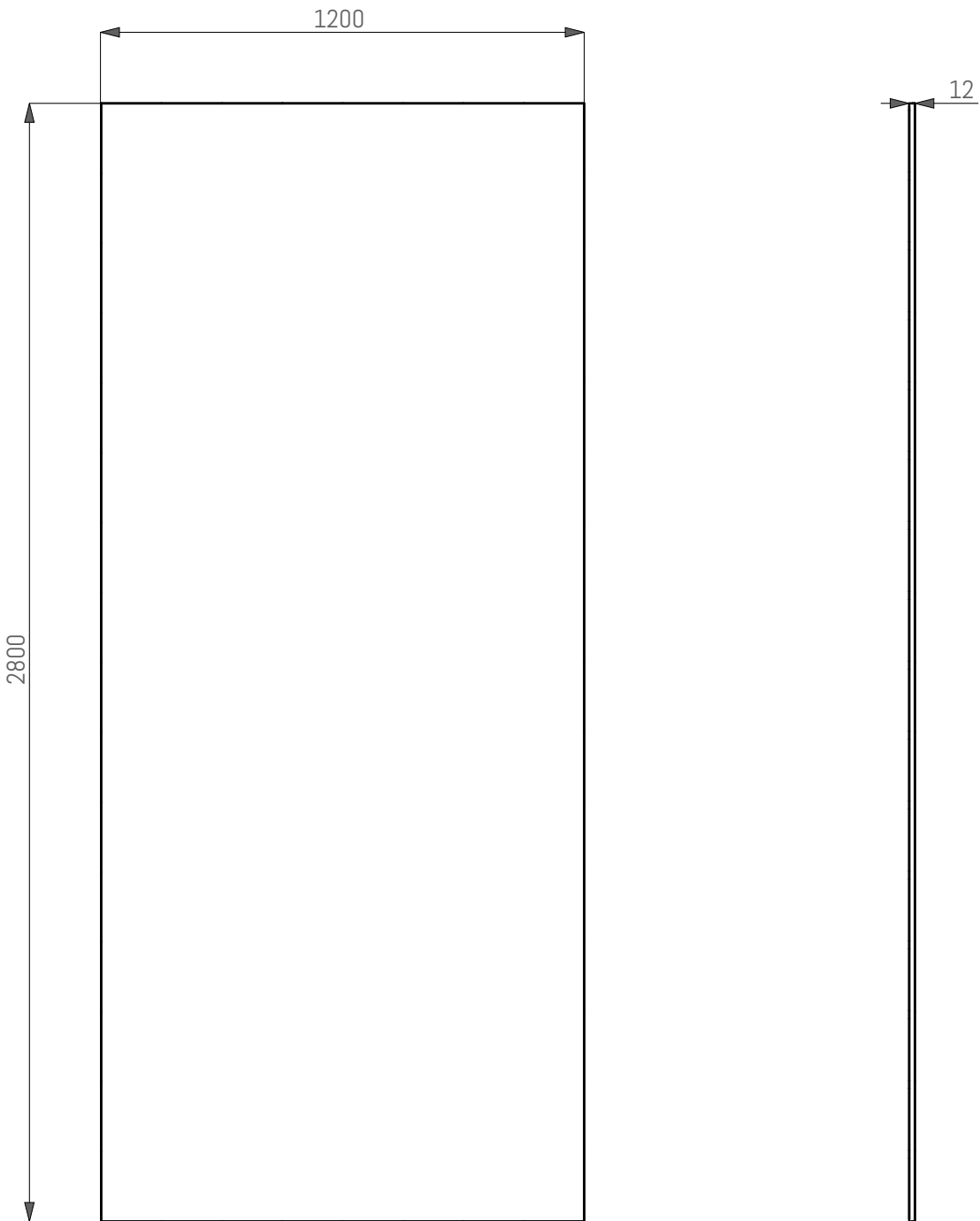
## ECHOBOARD® 12MM



# DIMENSIONS & PARTS

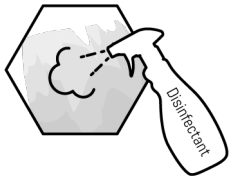


ECHOBOARD® 12MM  
PET12REC  
1200x2800x12mm



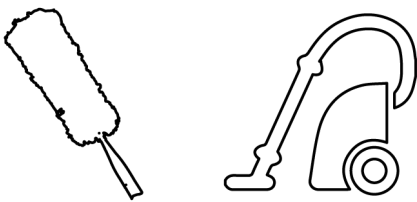
## SURFACE DISINFECTION

Spray disinfectants can be used for rapid surface disinfection.



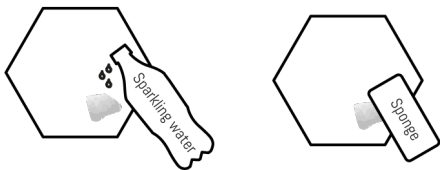
## DUSTER/VACUUM CLEANER

For dusting use duster or vacuum cleaner.



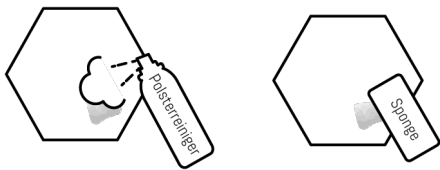
## SPARKLING WATER

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



## UPHOLSTERY CLEANER

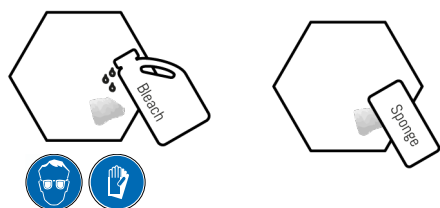
For medium contamination apply upholstery cleaner to polluted area. Wipe carefully with a sponge.



## 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.