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ECHO**BRICK**[®] 24MM DATASHEET

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PRODUCT NAME

EchoBrick® 24mm

DESCRIPTION

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

EchoBrick® is an attractive wall absorber solution for acoustically enhancing unused wall surfaces. Similar to a mosaic, EchoBrick® enables individual wall designs in shapes, colours and dimensions. Thanks to chamfered edges, the acoustic tiles can be combined seamlessly and without shadow gaps. Installation is very simple using EchoGlue® spray contact adhesive.

Designing with the acoustically highly effective tiles in various shapes, colours and thicknesses is ideal for unique wall styling beyond rectangular surfaces. EchoBrick not only creates a pleasant atmosphere and muffles annoying fluttering echoes, but is above all an impressive design statement.

PRODUCT PROPERTIES

Thickness: 24mm

Weight: 3600g/m² (± 10%)

ACOUSTIC PERFORMANCE

aw: 0.50-1.00

NRC: 0.70-0.95.

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 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 (aw)</th><th>50mm Distance (aw)</th><th>200mm Distance (aw)</th></tr></thead><tbody><tr><td>125</td><td>0.02</td><td>0.15</td><td>0.52</td></tr><tr><td>250</td><td>0.18</td><td>0.35</td><td>0.85</td></tr><tr><td>500</td><td>0.60</td><td>0.80</td><td>0.95</td></tr><tr><td>1000</td><td>0.85</td><td>1.05</td><td>0.88</td></tr><tr><td>2000</td><td>1.00</td><td>0.98</td><td>0.92</td></tr><tr><td>4000</td><td>1.05</td><td>0.95</td><td>0.98</td></tr></tbody></table>	Frequency (Hz)	Direct Mount (aw)	50mm Distance (aw)	200mm Distance (aw)	125	0.02	0.15	0.52	250	0.18	0.35	0.85	500	0.60	0.80	0.95	1000	0.85	1.05	0.88	2000	1.00	0.98	0.92	4000	1.05	0.95	0.98
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4000	1.05	0.95	0.98																										

COLOURS ECHOBOARD® 24MM



ECHOBOARD® 24MM



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



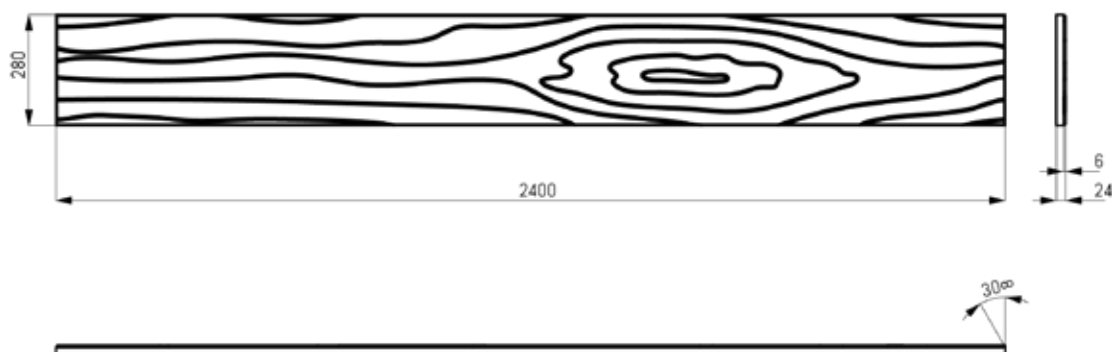
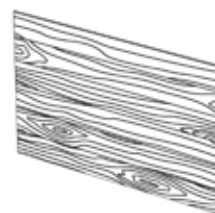
DIMENSIONS & PARTS



ECHOBRICK® 24MM BOLLIWOOD

1012

2400x280x24mm (Set of 6)



PARTS



6x
EchoBrick®



1x
EchoGlue® Spray glue

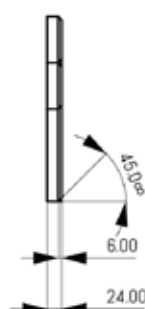
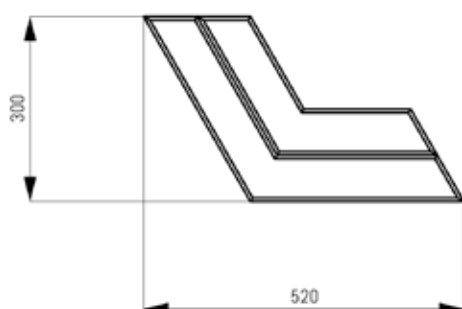
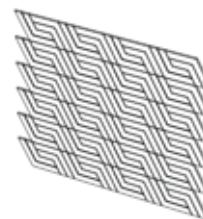
DIMENSIONS & PARTS



ECHOBRICK® 24MM BOOMERANG

1586

520x300x24mm (Set of 48)



PARTS



48x
EchoBrick®



1x
EchoGlue® Spray glue

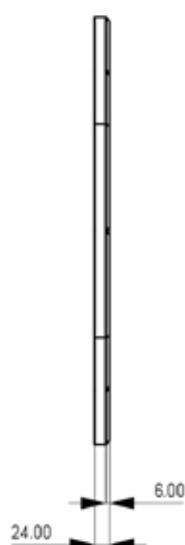
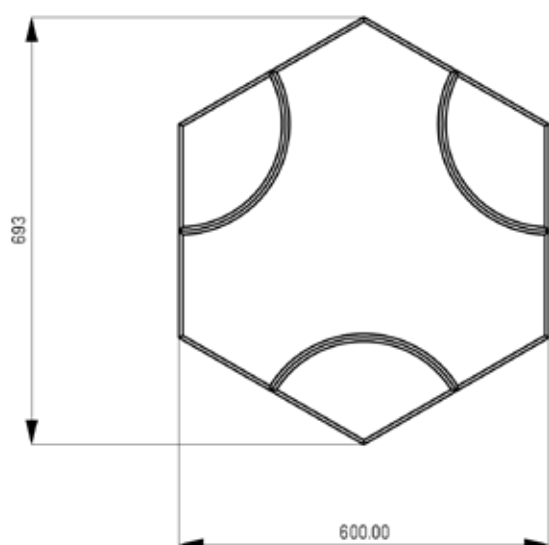
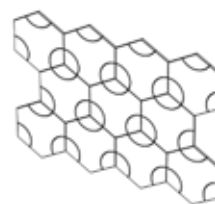
DIMENSIONS & PARTS



ECHOBRICK® 24MM CELL

1587

600x693x24mm (Set of 11)



PARTS



11x
EchoBrick®



1x
EchoGlue® Spray glue

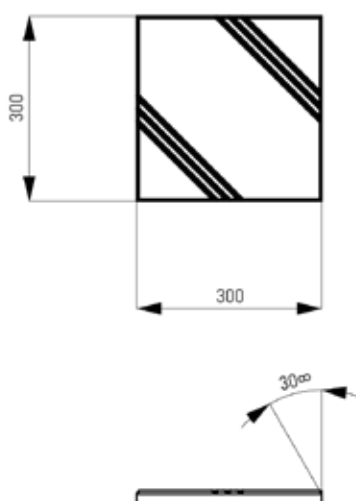
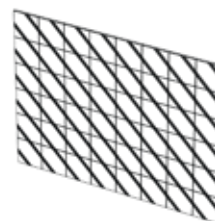
DIMENSIONS & PARTS



ECHOBRICK® 24MM DIAGONAL M

1588

300x300x24mm (Set of 48)



PARTS



48x
EchoBrick®

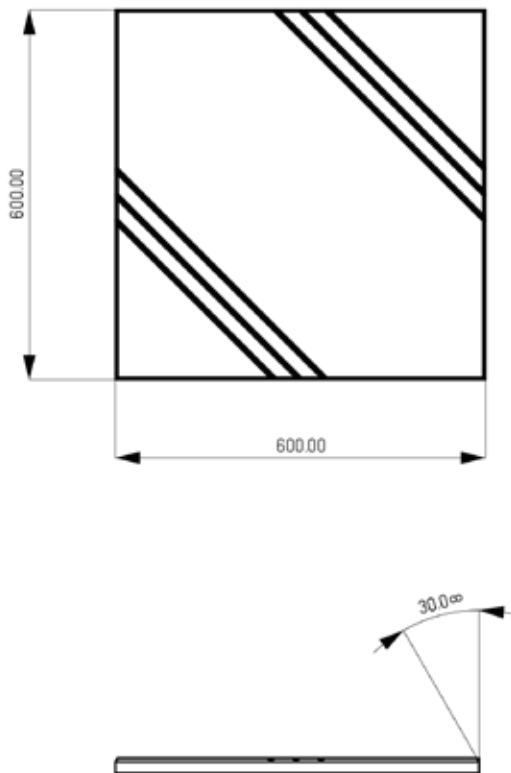
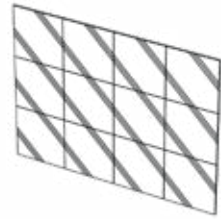


1x
EchoGlue® Spray glue

DIMENSIONS & PARTS



ECHOBRICK® 24MM DIAGONAL L
1590
600x600x24mm (Set of 12)



PARTS



12x
EchoBrick®

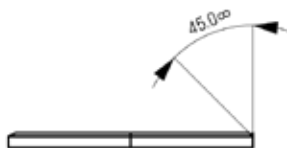
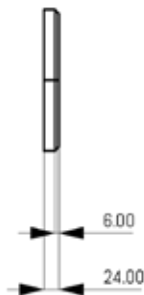
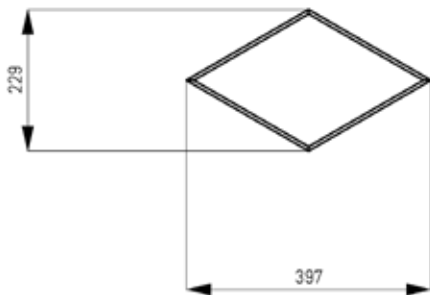
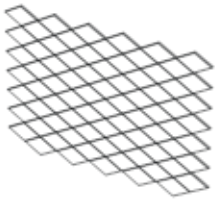


1x
EchoGlue® Spray glue

DIMENSIONS & PARTS



ECHOBRICK® 24MM DIAMOND M
1591
397x229x24mm (Set of 77)



PARTS



77x
EchoBrick®



1x
EchoGlue® Spray glue

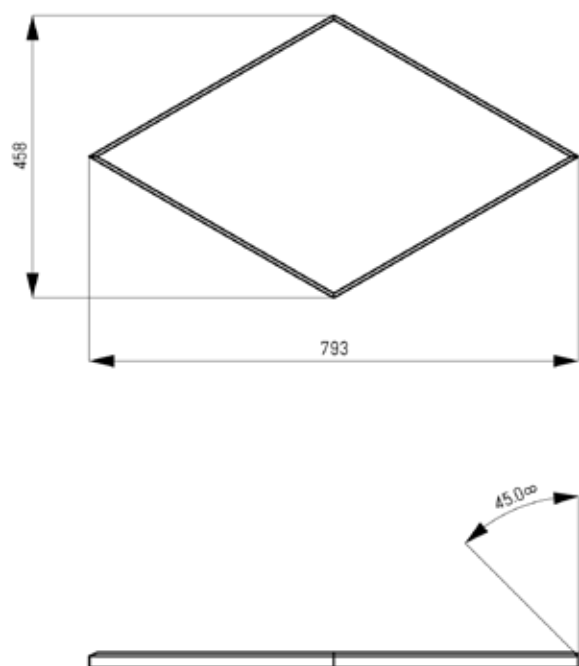
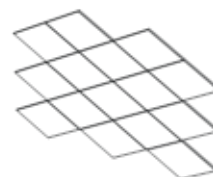
DIMENSIONS & PARTS



ECHOBRICK® 24MM DIAMOND L

1597

793x458x24mm (Set of 15)



PARTS



15x
EchoBrick®

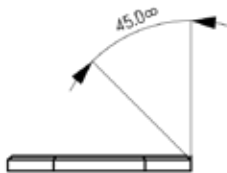
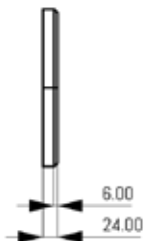
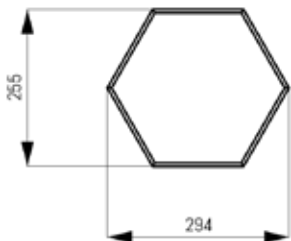
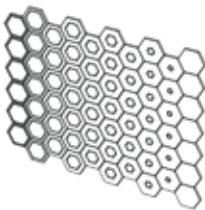


1x
EchoGlue® Spray glue

DIMENSIONS & PARTS



ECHOBRICK® 24MM GRADIENT
1603
255x294x24mm (Set of 65)



PARTS



65x
EchoBrick®

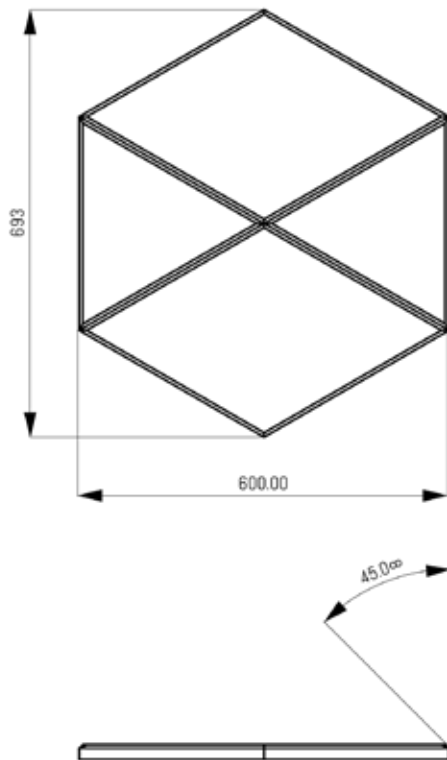
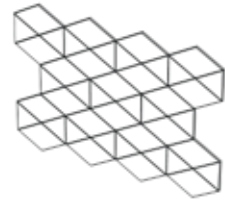


1x
EchoGlue® Spray glue

DIMENSIONS & PARTS



ECHOBRICK® 24MM KALEIDO
1602
600x693x24mm (Set of 11)



PARTS



11x
EchoBrick®



1x
EchoGlue® Spray glue

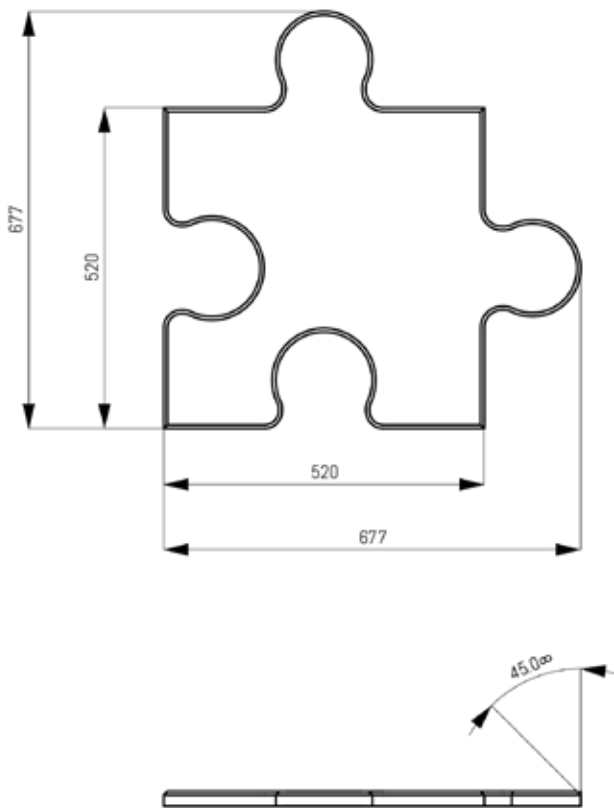
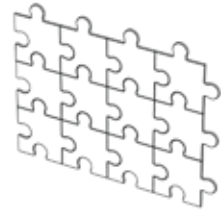
DIMENSIONS & PARTS



ECHOBRICK® 24MM PUZZLE

1606

677x677x24mm (Set of 12)



PARTS



12x
EchoBrick®



1x
EchoGlue® Spray glue

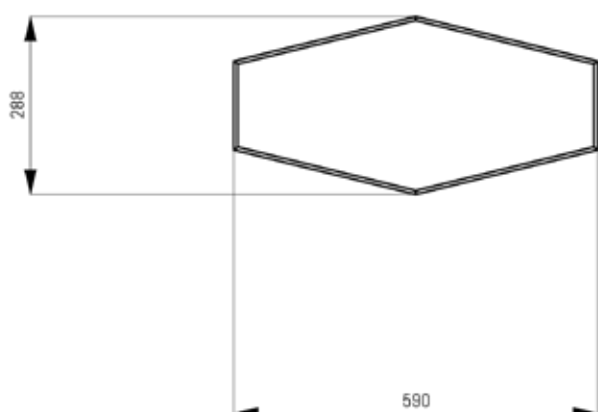
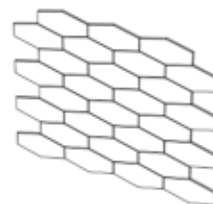
DIMENSIONS & PARTS



ECHOBRICK® 24MM SHIELD

1607

590x288x24mm (Set of 28)



PARTS



28x
EchoBrick®



1x
EchoGlue® Spray glue

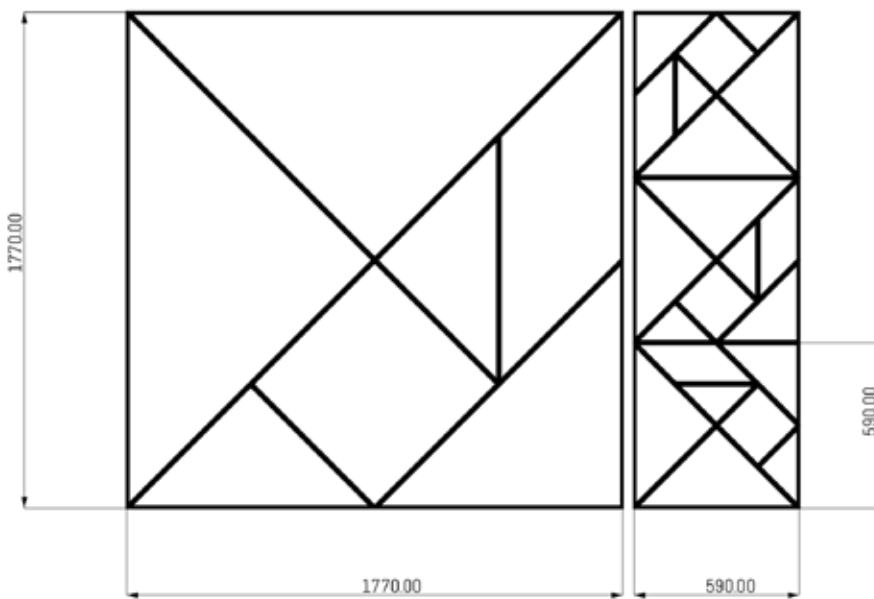
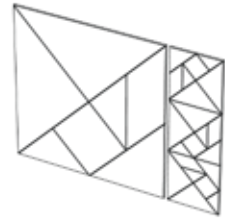
DIMENSIONS & PARTS



ECHOBRICK® 24MM TANGRAM

1608

2380x1770x24mm (Set of 28)



PARTS



28x
EchoBrick®

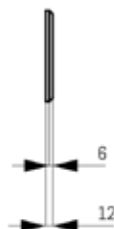
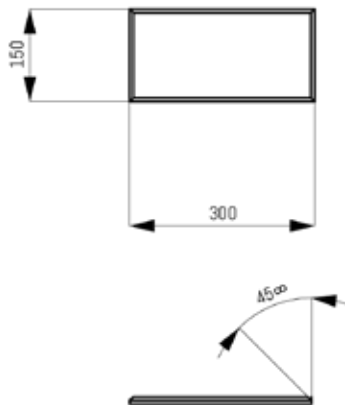
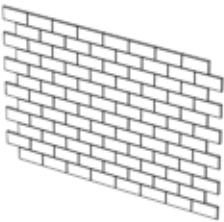


1x
EchoGlue® Spray glue

DIMENSIONS & PARTS



ECHOBRICK® 24MM WALL M
1609
300x150x24mm (Set of 96)



PARTS



96x
EchoBrick®

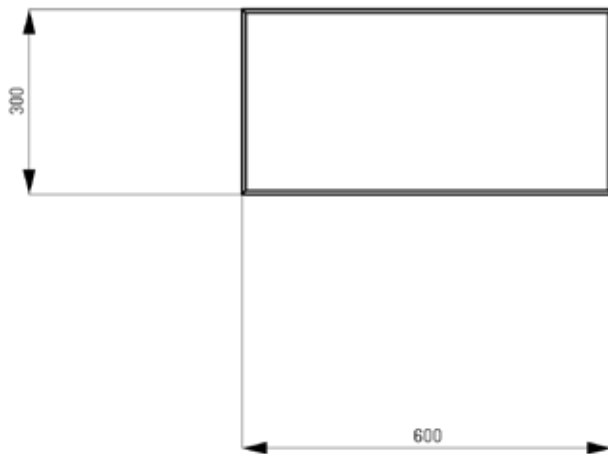
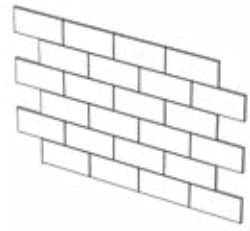


1x
EchoGlue® Spray glue

DIMENSIONS & PARTS



ECHOBRICK® 24MM WALL L
1610
600x300x24mm (Set of 24)



PARTS



24x
EchoBrick®

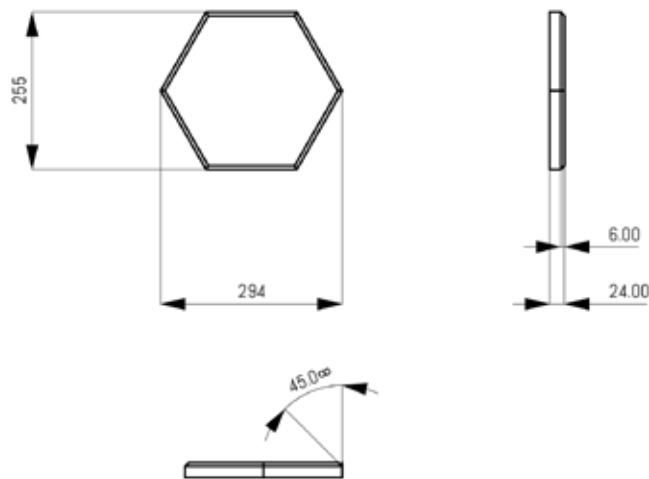
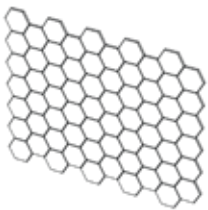


1x
EchoGlue® Spray glue

DIMENSIONS & PARTS



ECHOBRICK® 24MM HEXAGON M
1600
294x255x24mm (Set of 65)



|

PARTS



65x
EchoBrick®

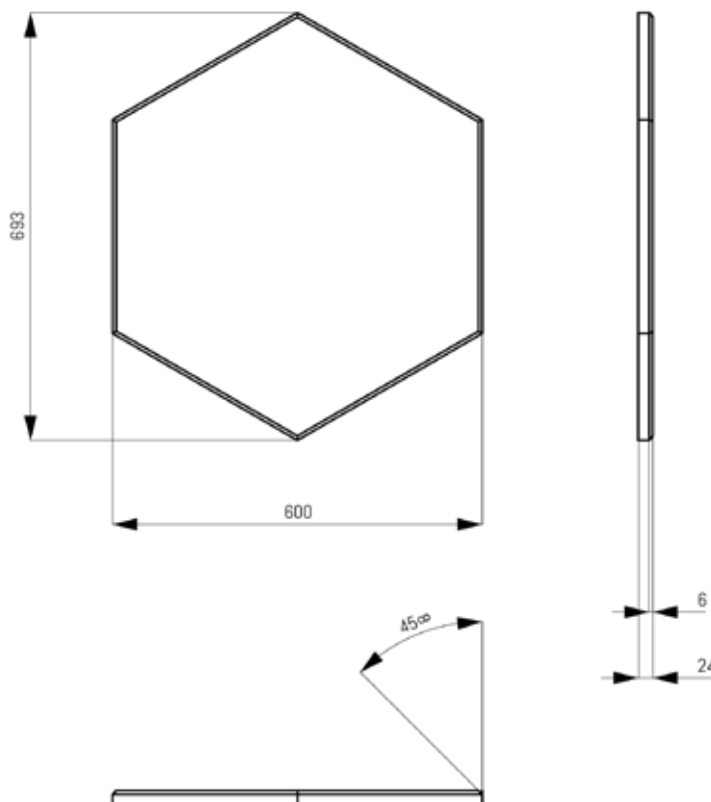


1x
EchoGlue® Spray glue

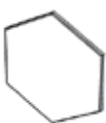
DIMENSIONS & PARTS



ECHOBRICK® 24MM HEXAGON L
1601
600x693x24mm (Set of 11)



PARTS



11x
EchoBrick®

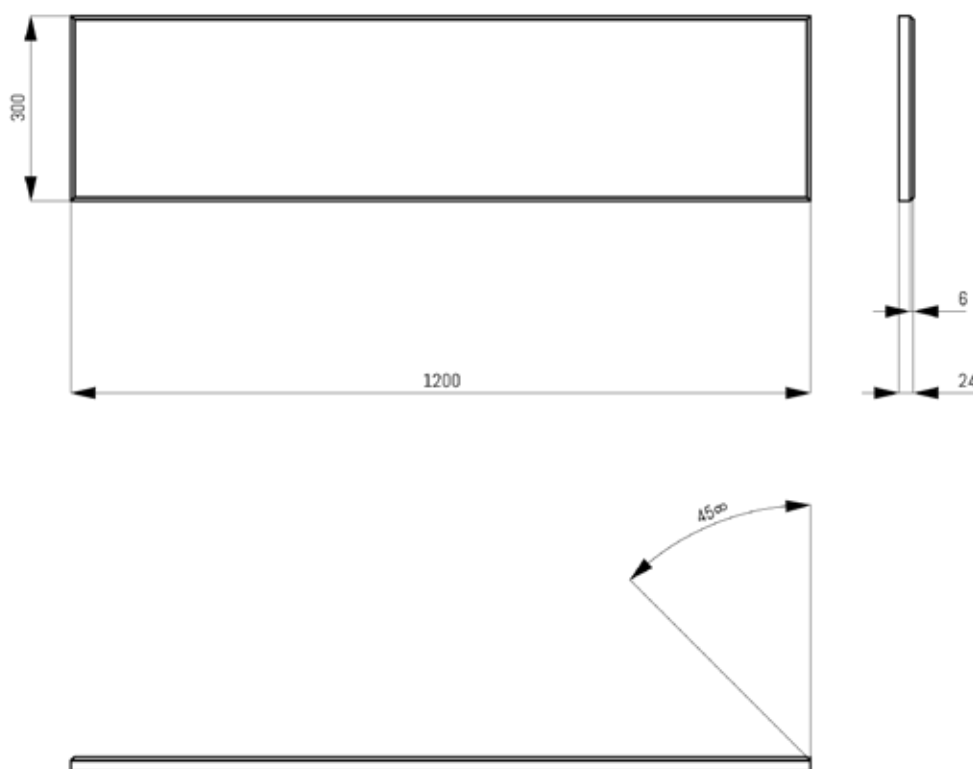
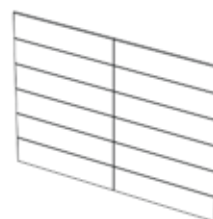


1x
EchoGlue® Spray glue

DIMENSIONS & PARTS



ECHOBRICK® 24MM PLANK M
1604
1200x300x24mm (Set of 12)



PARTS



12x
EchoBrick®

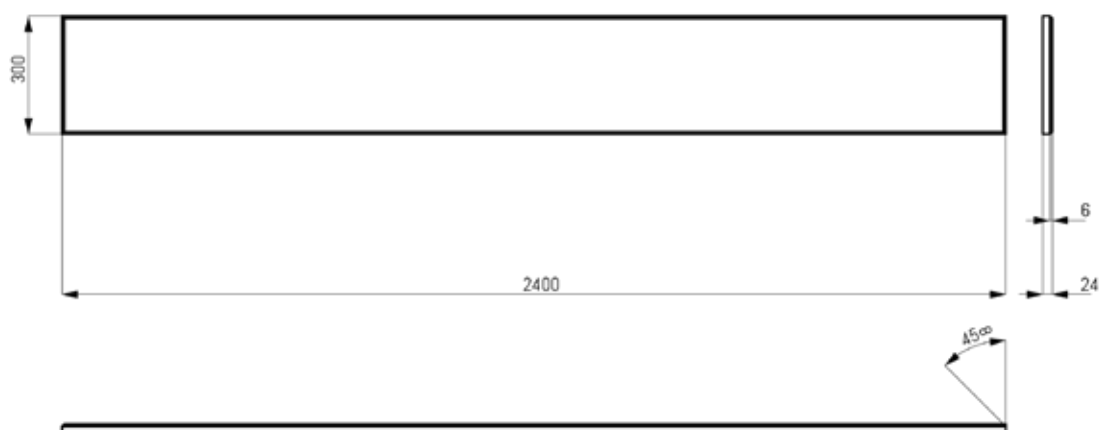
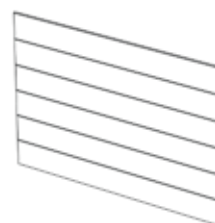


1x
EchoGlue® Spray glue

DIMENSIONS & PARTS



ECHOBRICK® 24MM PLANK L
1605
2400x300x24mm (Set of 6)



PARTS



6x
EchoBrick®



1x
EchoGlue® Spray glue

INSTALLATION



ECHOGLUE®

EchoGlue® is a sprayable contact adhesive for interior fittings, floor installation, etc. Thanks to its excellent adhesive strength, EchoGlue® is ideal for most permanent joints. The spray adhesive has been specially developed for professional applications. After curing, the adhesive is non-flammable.

FUNCTION/USE

Shake well before use. Hold the spray nozzle approx. 10 centimeters above the surface. Apply the adhesive evenly in strips on both surfaces which should be glued together. Do not overlap the adhesive stripes. To ensure optimum results, EchoGlue® should be used at temperatures of at least 10 - 25°C (ideally 20°C). Always apply the adhesive all over both surfaces and allow to dry for approx. 1-2 minutes until the solvents have completely evaporated. The open time is approx. 4 hours. With difficult materials, in the edge area or very absorbent substrates, such as blockboard or plywood, a double application is recommended. Press both surfaces firmly together (pressure approx. 2.5 to 3 kg/cm²) to ensure a good bond. Bonded materials can be processed immediately. The final curing of the adhesive takes place after approx. 24 hours.

DISCLAIMER

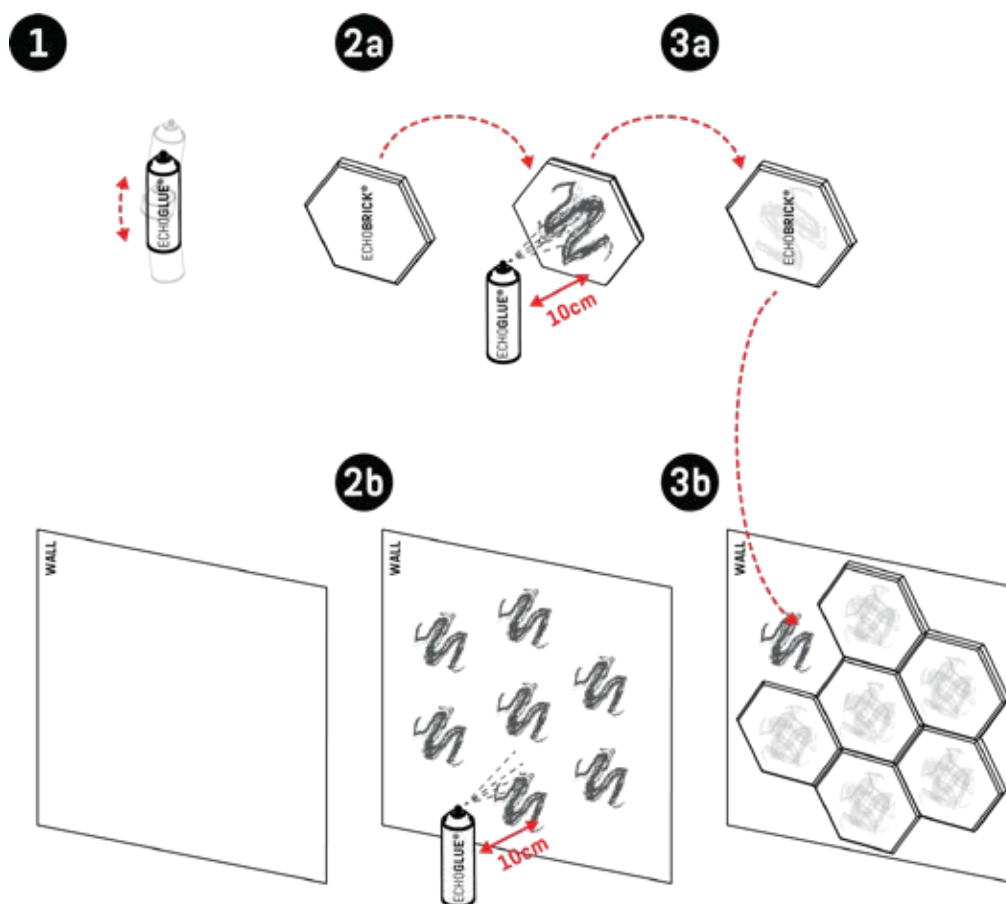
We always recommend a prior test bonding with your materials. It is the responsibility of the user to verify that EchoGlue® is suitable for the application. As softening agents can damage or destroy the adhesive, we recommend that you consult our technical department before bonding plasticized products, such as PVC, CV coverings, artificial leather, etc., for testing their materials.

USER INFORMATION

To prevent the spray nozzle from clogging: After finishing work, turn the can over and spray until only gas escapes.

IMPORTANT NOTES

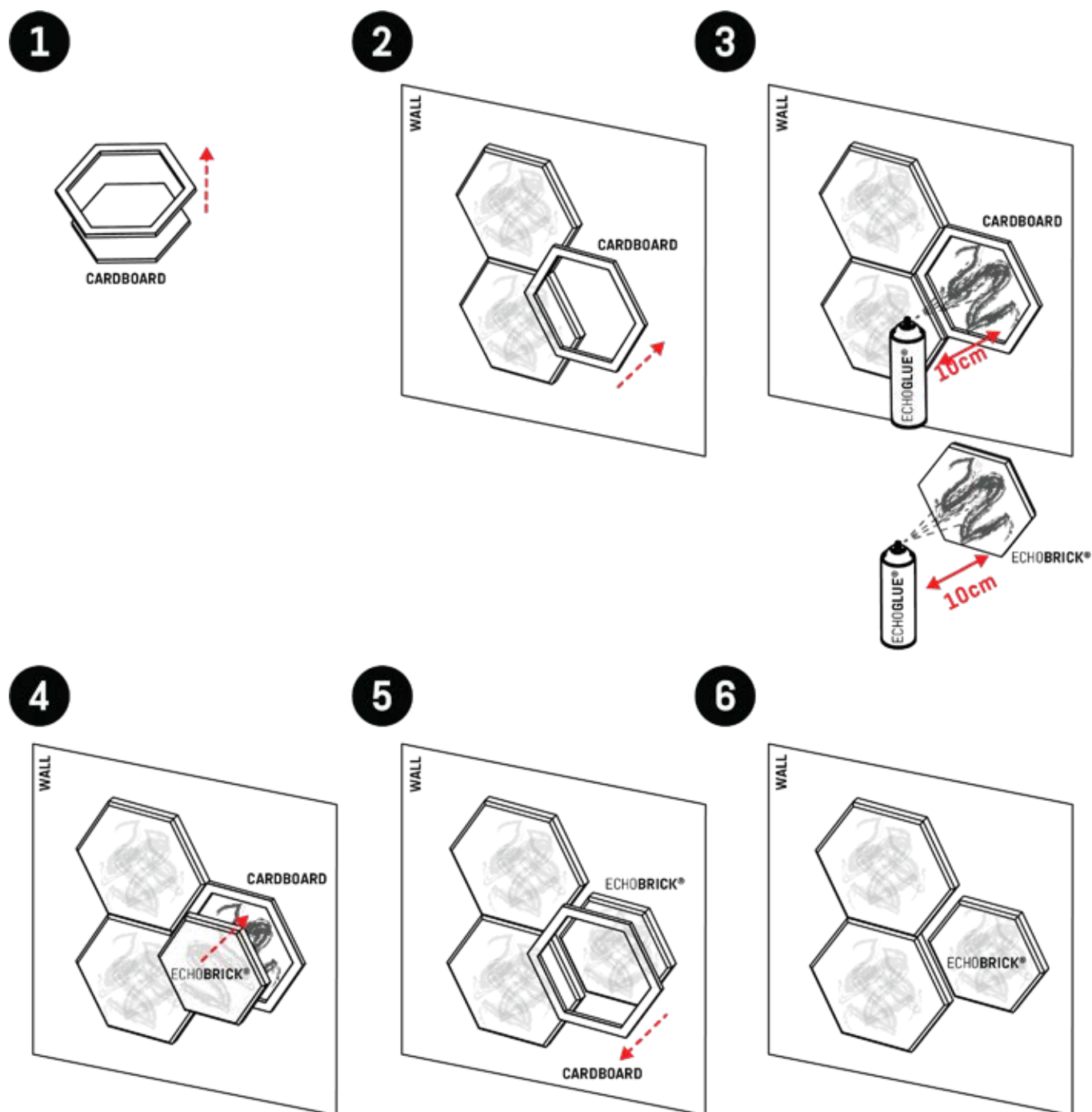
For commercial users only. Vapours can form explosive mixtures with air. Use only in a well-ventilated environment. In case of watery eyes or headaches and dizziness, increase the supply of fresh air or leave the room. For your own safety, wear approved respirator, eye, hand and body protection equipment. Avoid contact with eyes, skin and clothing. Read safety data sheet and user instructions before use.



INSTALLATION



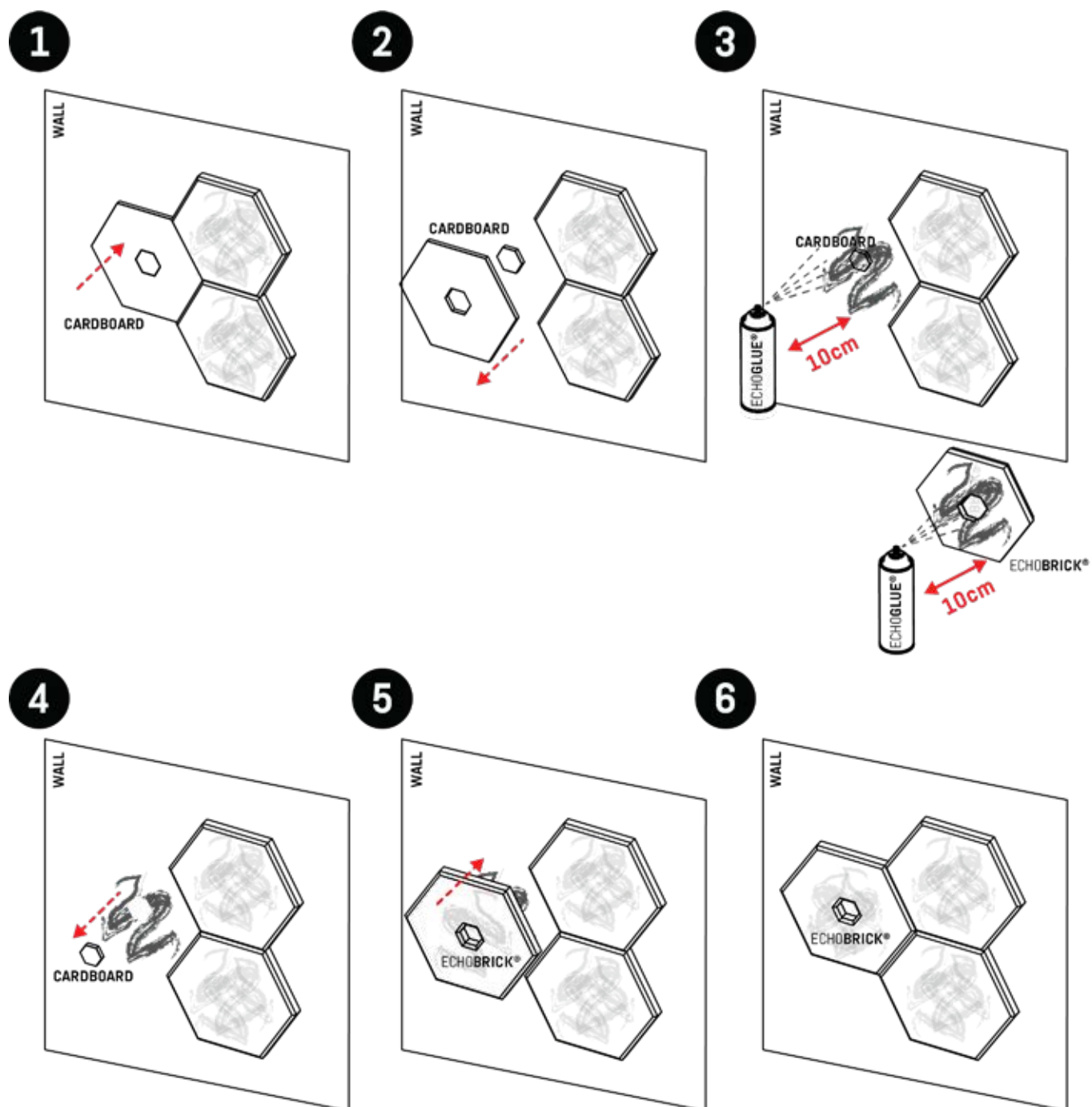
ECHOBRICK® GRADIENT - CARDBOARD OUTSIDE



INSTALLATION



ECHOBRICK® GRADIENT - CARDBOARD INSIDE



SURFACE DISINFECTION

Spray disinfectants can be used for rapid surface disinfection.



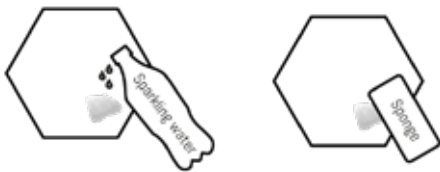
DUSTER/VACUUM CLEANER

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

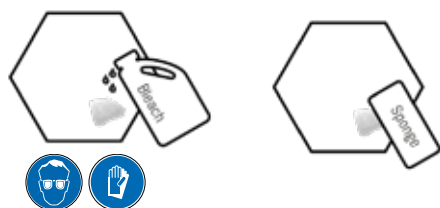
For medium contamination apply upholstery cleaner to polluted area. Wipe carefully with a sponge.



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.