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# ECHO**FIELD**® 24MM ORNAMENT DATASHEET

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## PRODUCT NAME

EchoField® 24mm ORNAMENT

## DESCRIPTION

High-performance acoustic pendant luminaire with textile surface made of 100% PET.

EchoField® ORNAMENT is the perfect solution for a striking and practical wall design. The wall panel can be customised with individual perforations for an impressive look. Alternatively, the ornament can also be designed as a three-dimensional pattern with raised or lowered areas.

With its magnetic substructure, it offers versatile application possibilities and is ideal for covering uneven and fragmented walls. Thanks to the wall spacing, improved sound absorption is achieved, which positively influences the room acoustics. The quick-release system ensures easy access to areas behind it, such as facility services.

## PRODUCT PROPERTIES

Thickness: 24mm

Corner radius: 40mm

Dimensions: 1800x2400mm

## ACOUSTIC PERFORMANCE

aw: 0.65

NRC: 0.80

## INSTALLATION

- Suitable for use in rooms as well as roofed outdoor areas
- Very easy to trim with a knife
- Magnetic quick-release system

## 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  $< 0.5\text{mg/m}^2/\text{h}$ , certified according to ASTM D5116
- Formaldehyde emission below  $< 0.1\text{mg/m}^2/\text{h}$ , certified according to ASTM D5116
- Dimensionally stable up to  $50^\circ\text{C}$  and 95%rH
- Melting point:  $250^\circ\text{C}$
- Decomposition Temp:  $> 250^\circ\text{C}$
- 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<br>*The number of PET bottles refers to 500ml PET bottles with a bottle weight of 24g.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                     |                    |                     |     |      |      |      |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| WEIGHT                                            | 3600g/m² (± 10%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |                     |                    |                     |     |      |      |      |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| MATERIAL THICKNESS                                | 24mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                     |                    |                     |     |      |      |      |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| LIGHTFASTNESS<br>ISO 105-B02-1994                 | > 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |                     |                    |                     |     |      |      |      |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| FIRE TEST<br>EN 13501                             | B-s1, d0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                     |                    |                     |     |      |      |      |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| VOC EMISSIONS<br>ASTM D5116                       | < 0.5mg/m²/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                     |                    |                     |     |      |      |      |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| FORMALDEHYDE EMISSIONS<br>ASTM D5116              | < 0.1mg/m²/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                     |                    |                     |     |      |      |      |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| ENVIRONMENTAL<br>CERTIFICATIONS                   | eco1 Minergie-Eco<br>Cradle to Cradle Certified® Bronze<br>M1 emission-free materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                     |                    |                     |     |      |      |      |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| SOUND ABSORPTION<br>DIN EN ISO 11654<br>ASTM C423 | aw 0.50 (direct mount)<br>aw 0.65 (50mm wall/ceiling distance)<br>aw 1.00 (200mm wall/ceiling distance)<br><br>NRC = 0.70 (direct mount)<br>NRC = 0.80 (50mm wall/ceiling distance)<br>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>0.05</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>1.05</td><td>0.95</td></tr><tr><td>4000</td><td>1.05</td><td>0.95</td><td>1.00</td></tr></tbody></table> | Frequency (Hz)     | Direct mount (aw)   | 50mm distance (aw) | 200mm distance (aw) | 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 | 1.05 | 0.95 | 4000 | 1.05 | 0.95 | 1.00 |
| Frequency (Hz)                                    | Direct mount (aw)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50mm distance (aw) | 200mm distance (aw) |                    |                     |     |      |      |      |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.05               | 0.95                |                    |                     |     |      |      |      |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 4000                                              | 1.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.95               | 1.00                |                    |                     |     |      |      |      |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

# COLOURS ECHOBOARD® 24MM



## ECHOBOARD® 24MM



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



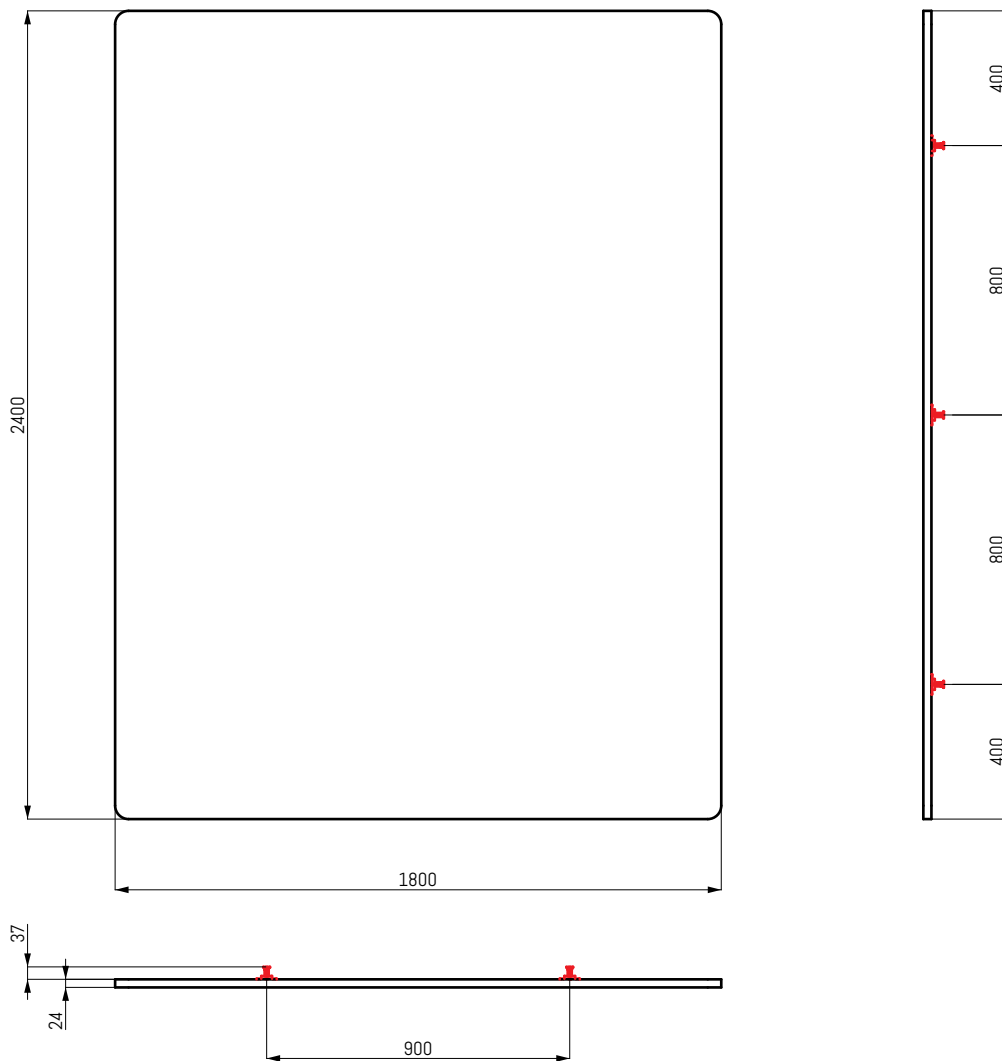
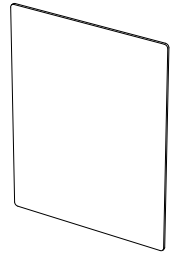
# DIMENSIONS & PARTS



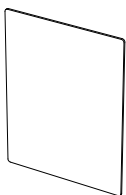
## ECHOFIELD® 24MM ORNAMENT PLAIN

1265

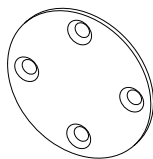
1800x2400x61mm



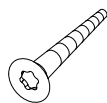
## PARTS



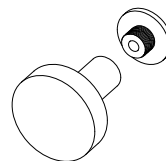
**1x**  
EchoField® 24mm ORNAMENT  
Absorber



**6x**  
Round metal plate  
Ø60x2mm



**24x**  
Torx screw  
3x20mm



**6x**  
Wall mounting set  
with magnets

# DIMENSIONS & PARTS

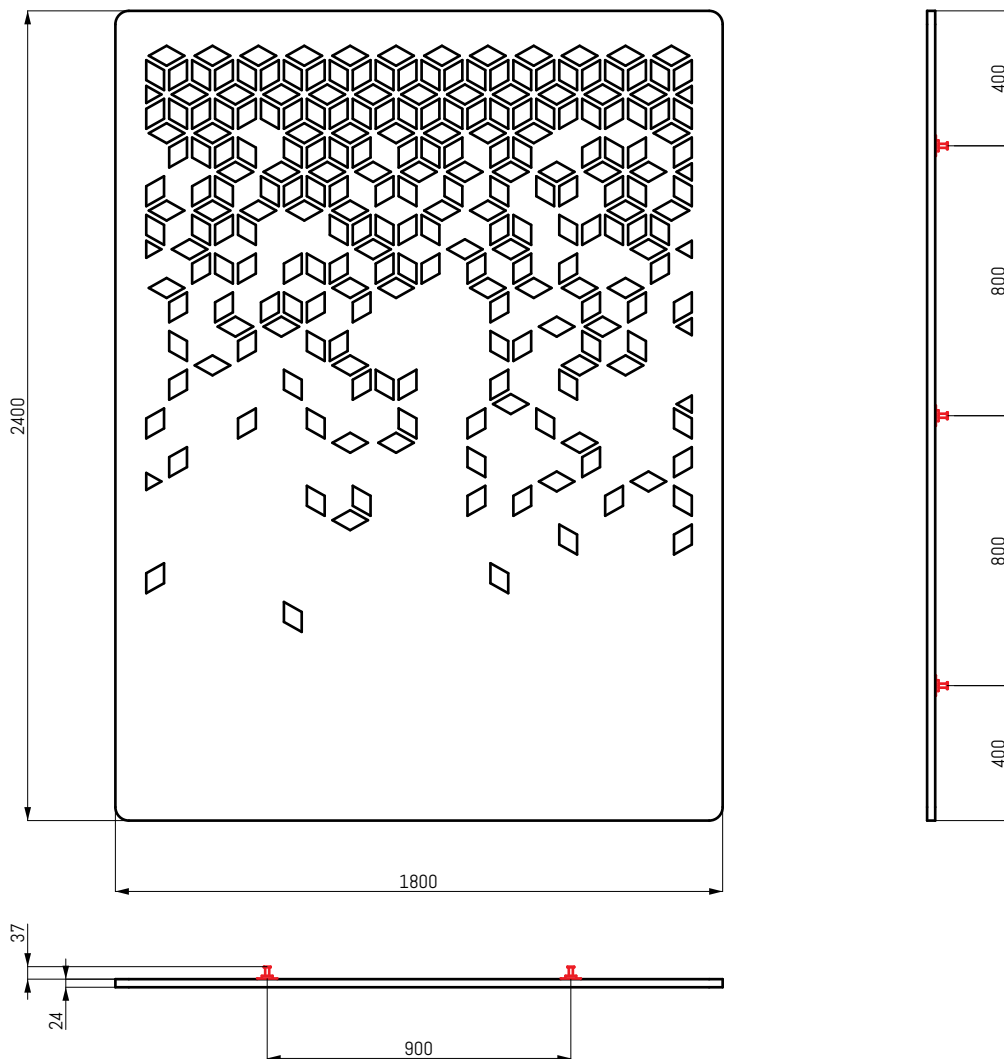
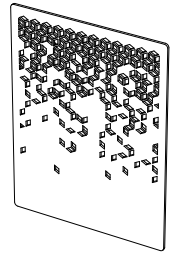


## ECHOFIELD® 24MM ORNAMENT PERFORATED

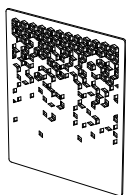
1471

1800x2400x61mm

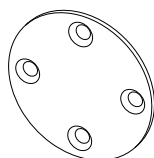
\*This product is available with all ECHOJAZZ perforations. See perforations overview.



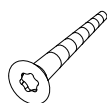
## PARTS



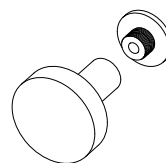
**1x**  
EchoField® 24mm ORNAMENT  
Absorber



**6x**  
Round metal plate  
Ø60x2mm



**24x**  
Torx screw  
3x20mm



**6x**  
Wall mounting set  
with magnets

# DIMENSIONS & PARTS

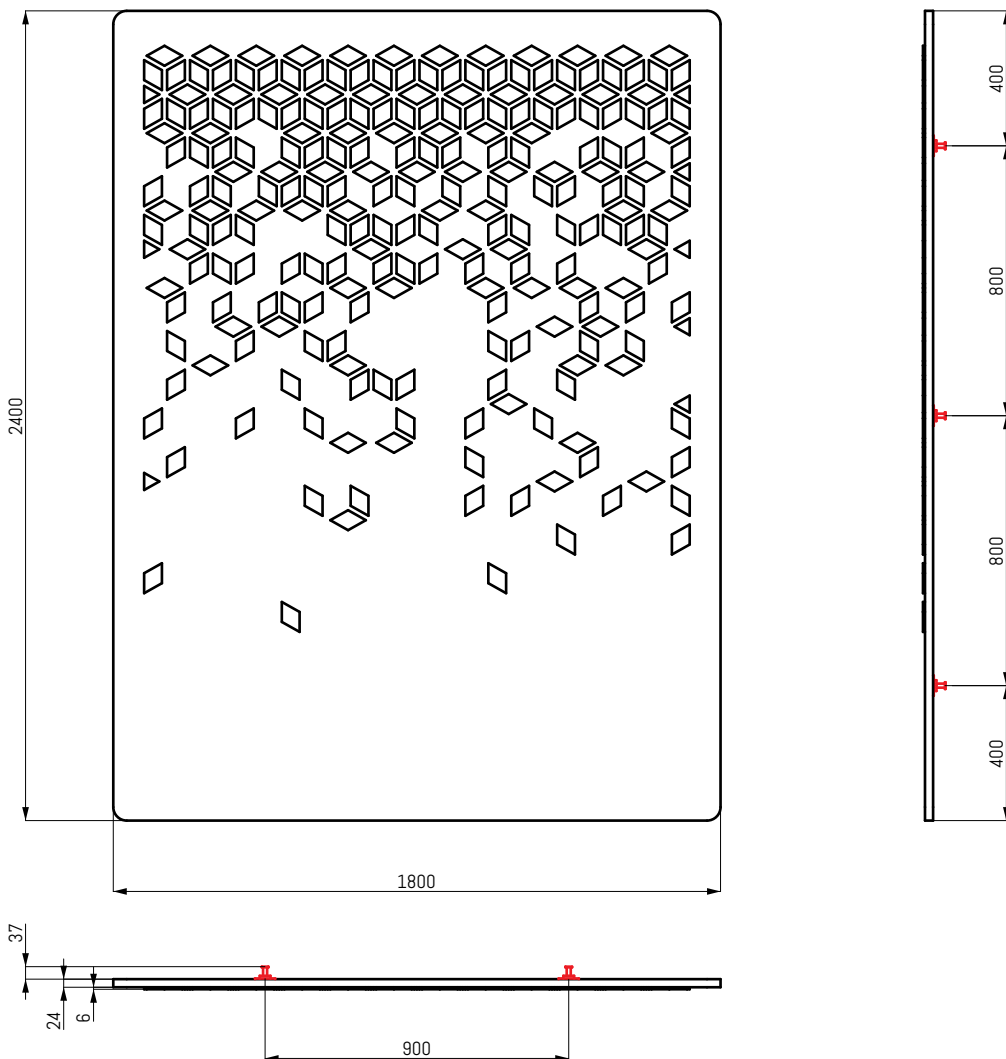
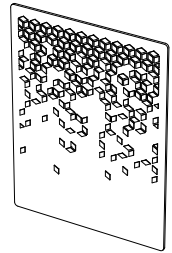


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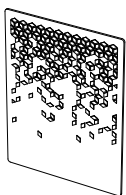
1470

1800x2400x67mm

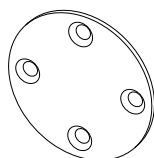
\*This product is available with all ECHOJAZZ perforations. See perforations overview.



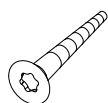
## PARTS



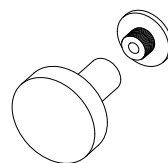
**1x**  
EchoField® 24mm ORNAMENT  
Absorber



**6x**  
Round metal plate  
Ø60x2mm



**24x**  
Torx screw  
3x20mm



**6x**  
Wall mounting set  
with magnets

# DIMENSIONS & PARTS

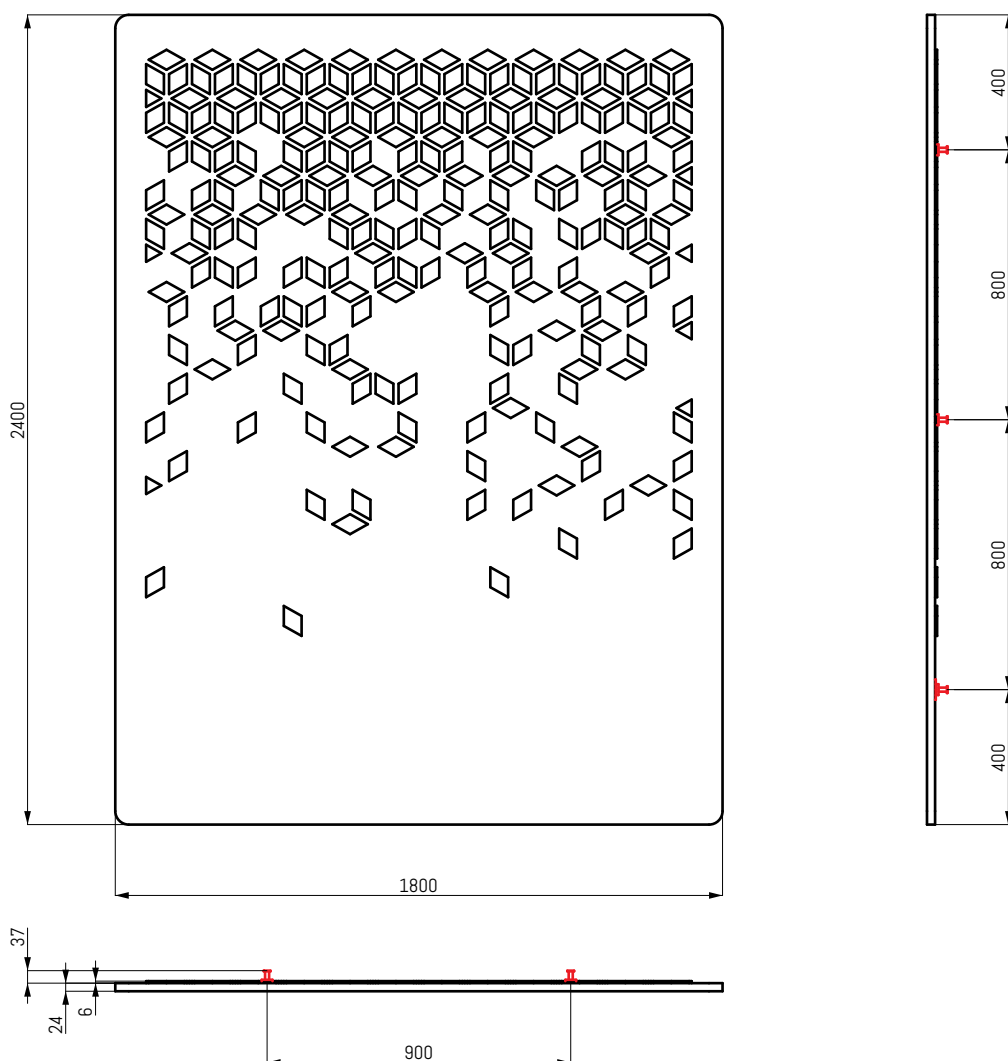
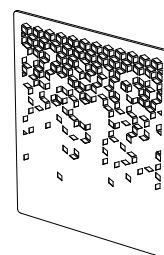


## ECHOFIELD® 24MM ORNAMENT DEBOSSED

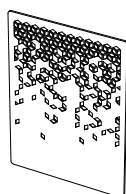
1469

1800x2400x61mm

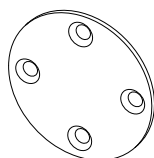
\*This product is available with all ECHOJAZZ perforations. See perforations overview.



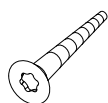
## PARTS



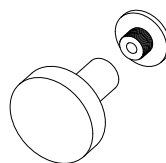
**1x**  
EchoField® 24mm ORNAMENT  
Absorber



**6x**  
Round metal plate  
Ø60x2mm



**24x**  
Torx screw  
3x20mm

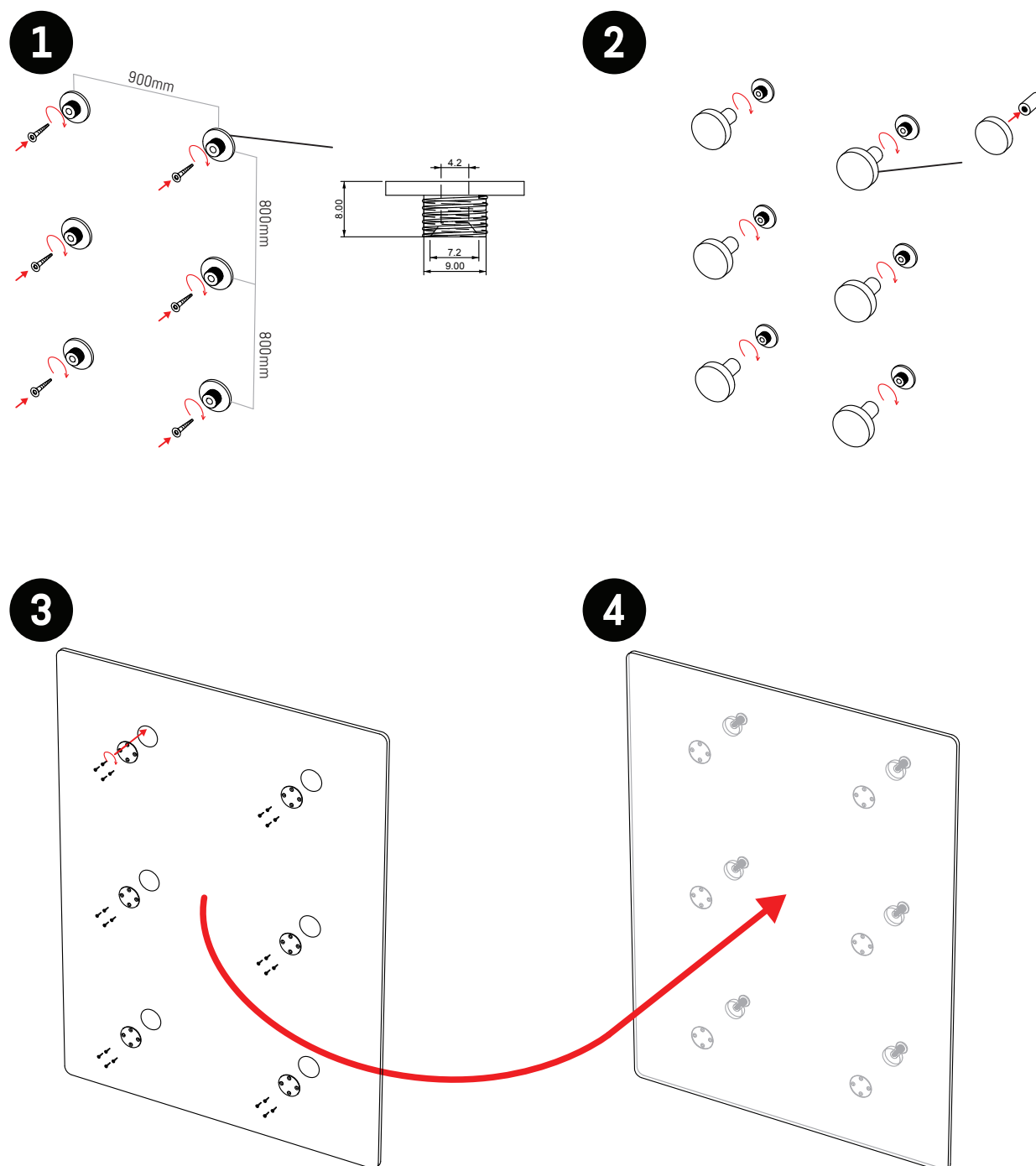


**6x**  
Wall mounting set  
with magnets

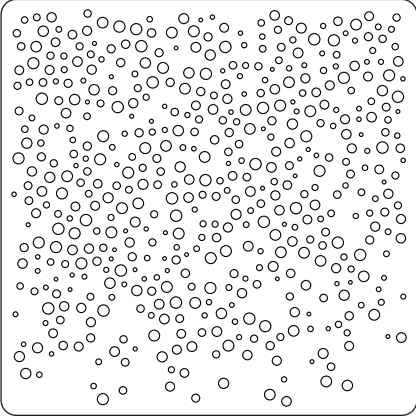
# INSTALLATION



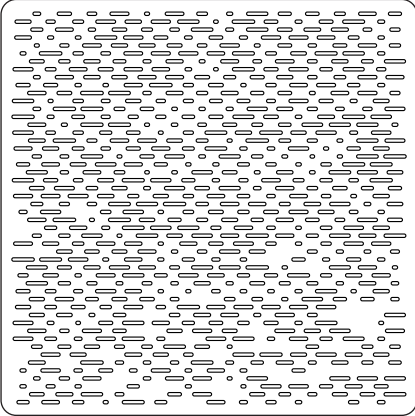
## ECHOFIELD® ORNAMENT: MAGNETIC QUICK-RELEASE SYSTEM



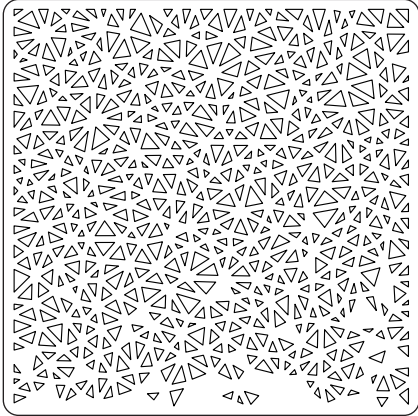
# PERFORATIONS/DESIGNS



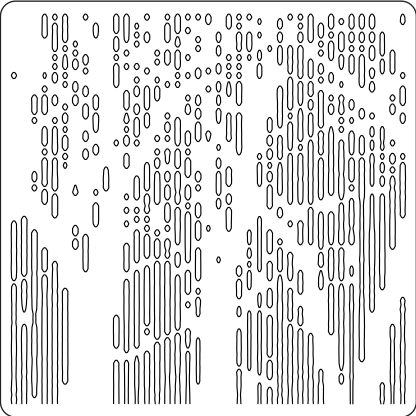
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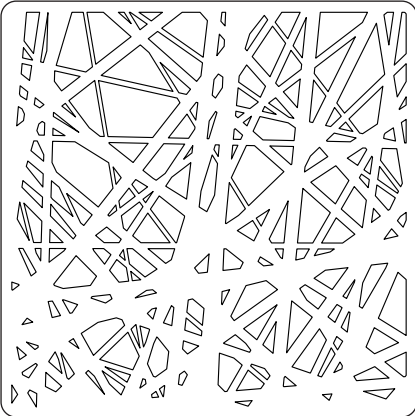
**PEN - L**



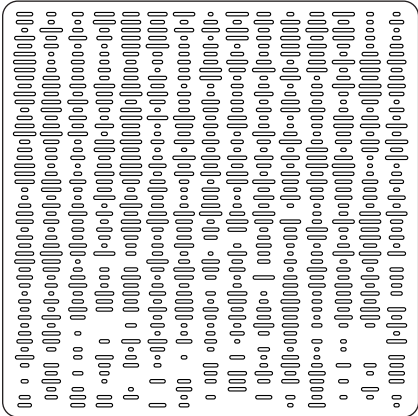
**MESH - M**



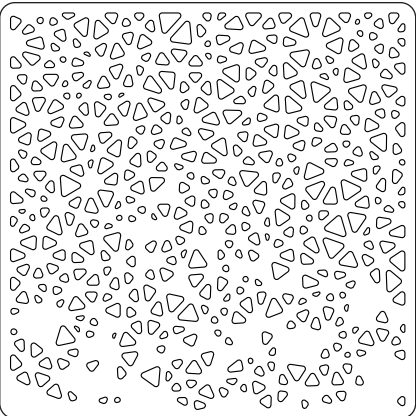
**JUNGLE - N**



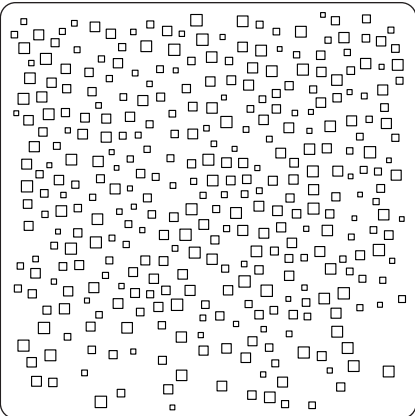
**BEAM - O**



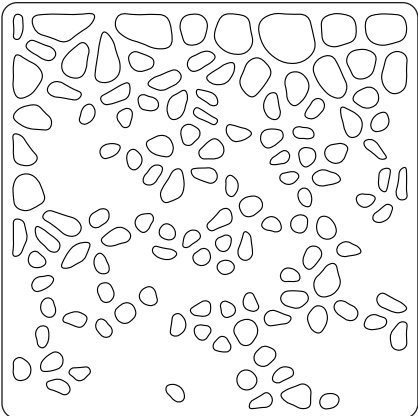
**ZEN - P**



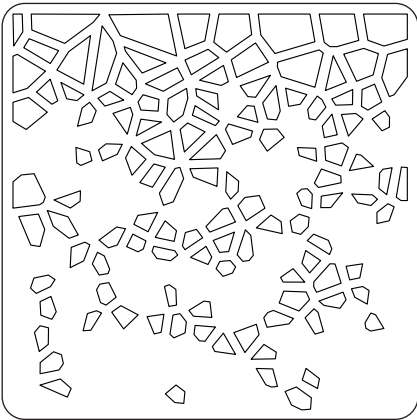
**PETALS - Q**



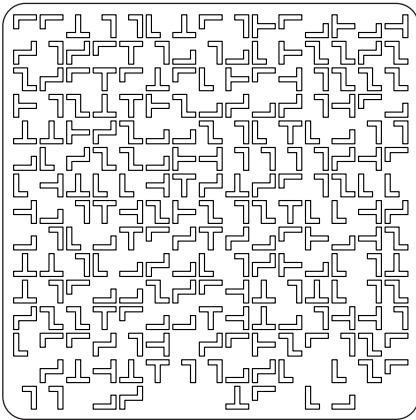
**CITY - R**



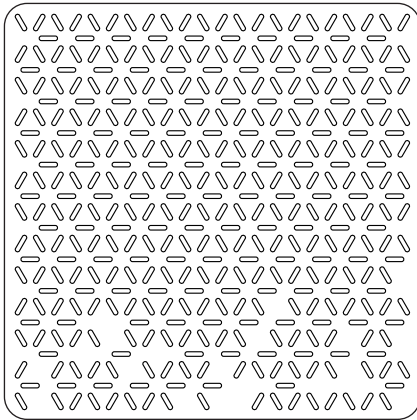
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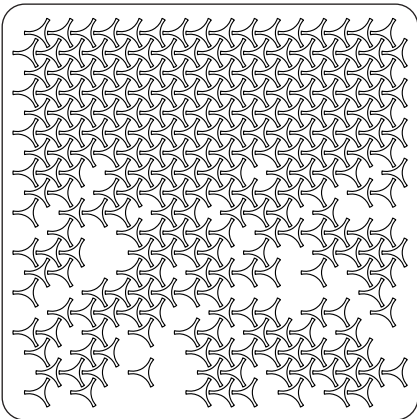
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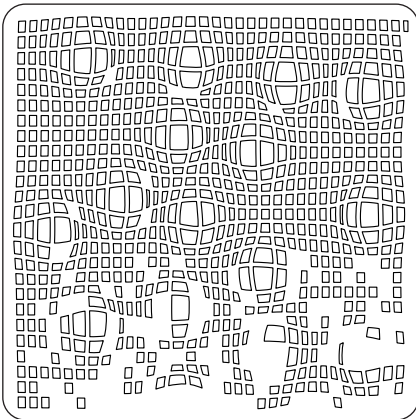
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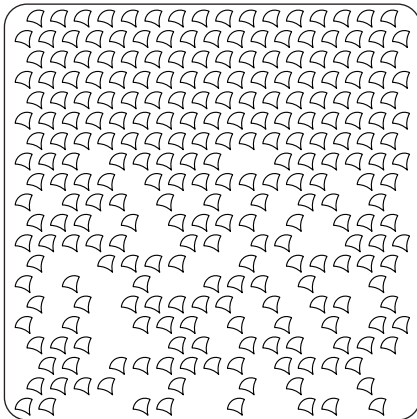
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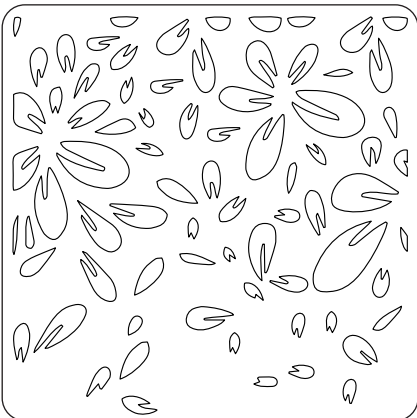
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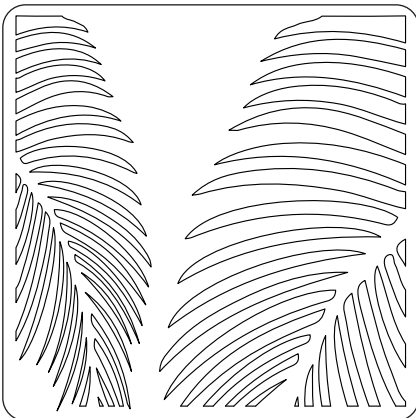
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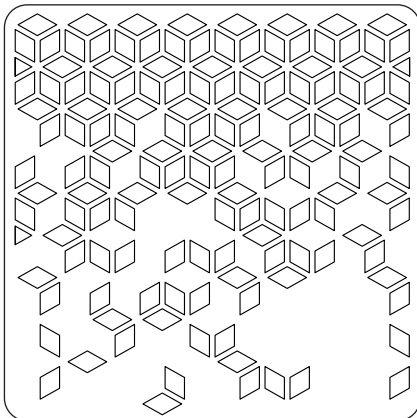
**ARC - Y**



**FLOWERS - Z**



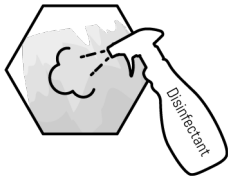
**PALM - AB**



**CUBE - AC**

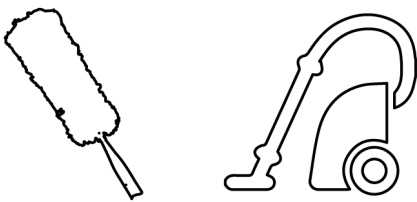
## SURFACE DISINFECTION

Spray disinfectants can be used for rapid surface disinfection.



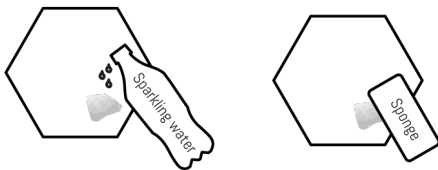
## DUSTER/VACUUM CLEANER

For dusting use duster or vacuum cleaner.



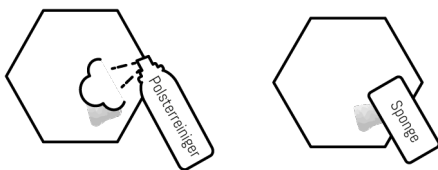
## SPARKLING WATER

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



## UPHOLSTERY CLEANER

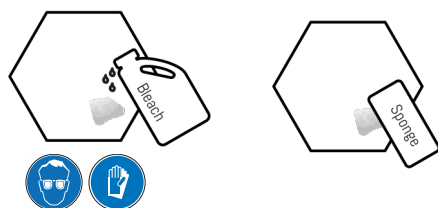
For medium contamination apply upholstery cleaner to polluted area. Wipe carefully with a sponge.



## 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.