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ECHO**FIELD**® 12MM ORNAMENT DATASHEET

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PRODUCT NAME

EchoField® 12mm ORNAMENT

DESCRIPTION

High-performance acoustic wall panel 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: 12mm

Corner radius: 40mm

Dimensions: 1200x2800mm

ACOUSTIC PERFORMANCE

aw: 0.60

NRC: 0.70

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

- Homogeneous edges throughout
- Extremely robust and shockproof
- Very high colour fastness of the all-round homogeneous textile surface available over 10 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°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 aw 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.

NAME	EchoBoard® 12mm																																
DIMENSIONS	1200mm (± 1mm) x 2800mm (± 1mm)																																
COMPOSITION	100% PET (> 50% recycled PET)																																
PET-BOTTLES* PER PANEL	168 PET-Bottles *The number of PET bottles refers to 500ml PET bottles with a bottle weight of 24g.																																
WEIGHT	2400g/m² (± 10%)																																
MATERIAL THICKNESS	12mm																																
LIGHT FASTNESS ISO 105-B02-1994	> 7																																
FIRE PROTECTION EN 13501	B-s1, d0																																
VOC EMISSIONS ASTM D5116	< 0.5mg/m²/h																																
FORMALDEHYDE EMISSIONS ASTM D5116	< 0.1mg/m²/h																																
ENVIRONMENTAL CERTIFICATES	eco1 Minergie-Eco Cradle to Cradle Certified® Bronze M1 emission-free materials																																
ABSORPTION COEFFICIENT DIN EN ISO 11654 ASTM C423	aw 0.30 (direct mounting) aw 0.60 (50mm wall/ceiling distance) aw 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)																																
COLOURS	> 10																																
ABSORPTION GRAPH	<table><caption>Approximate data points from the 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>0.10</td><td>0.50</td></tr><tr><td>250</td><td>0.08</td><td>0.25</td><td>0.80</td></tr><tr><td>500</td><td>0.20</td><td>0.60</td><td>0.95</td></tr><tr><td>1000</td><td>0.50</td><td>0.95</td><td>0.80</td></tr><tr><td>1500</td><td>0.80</td><td>1.00</td><td>0.90</td></tr><tr><td>2000</td><td>0.90</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> — Sound absorption coefficient (direct mount) — Sound absorption coefficient (50mm) — Sound absorption coefficient (200mm)	Frequency (Hz)	Direct Mount (aw)	50mm Distance (aw)	200mm Distance (aw)	125	0.05	0.10	0.50	250	0.08	0.25	0.80	500	0.20	0.60	0.95	1000	0.50	0.95	0.80	1500	0.80	1.00	0.90	2000	0.90	0.95	0.95	4000	1.05	0.95	0.95
Frequency (Hz)	Direct Mount (aw)	50mm Distance (aw)	200mm Distance (aw)																														
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COLOURS ECHOBOARD® 12MM



ECHOBOARD® 12MM



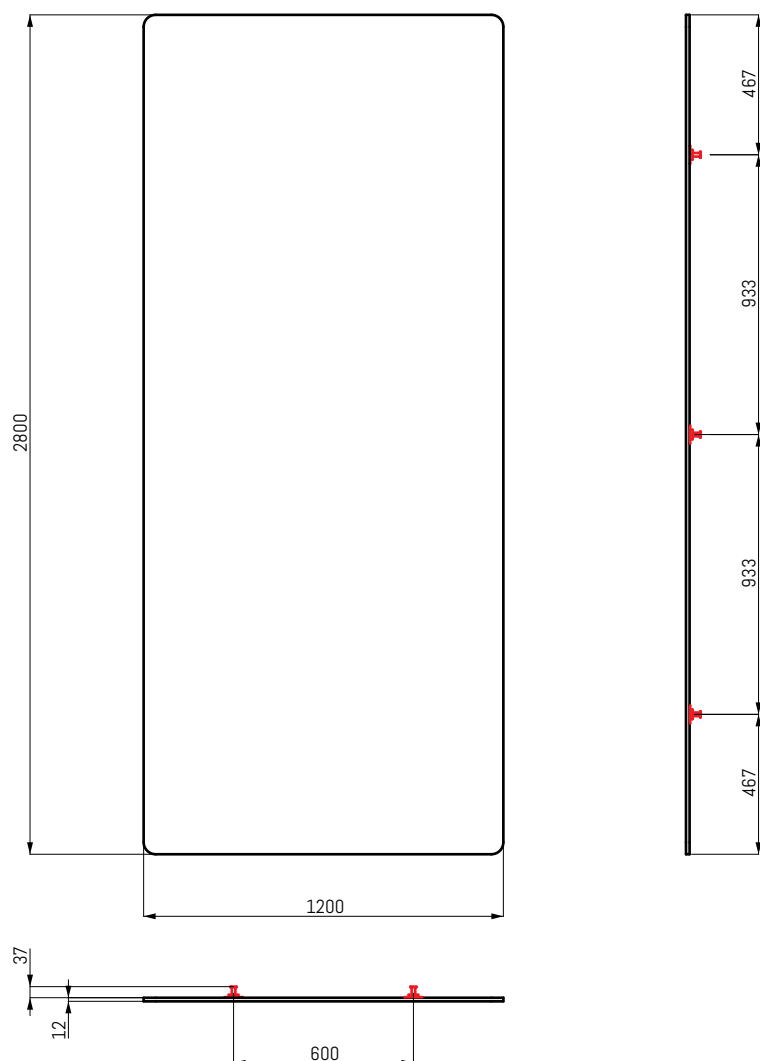
DIMENSIONS & PARTS



ECHOFIELD® 12MM ORNAMENT PLAIN

1259

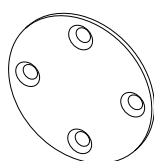
1200x2800x49mm



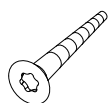
PARTS



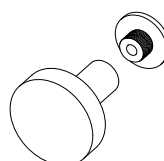
1x
EchoField® 12mm ORNAMENT
Absorber



6x
Round metal plate
Ø60x2mm



24x
Torx screw
3x12mm



6x
Wall mounting set
with magnets

DIMENSIONS & PARTS

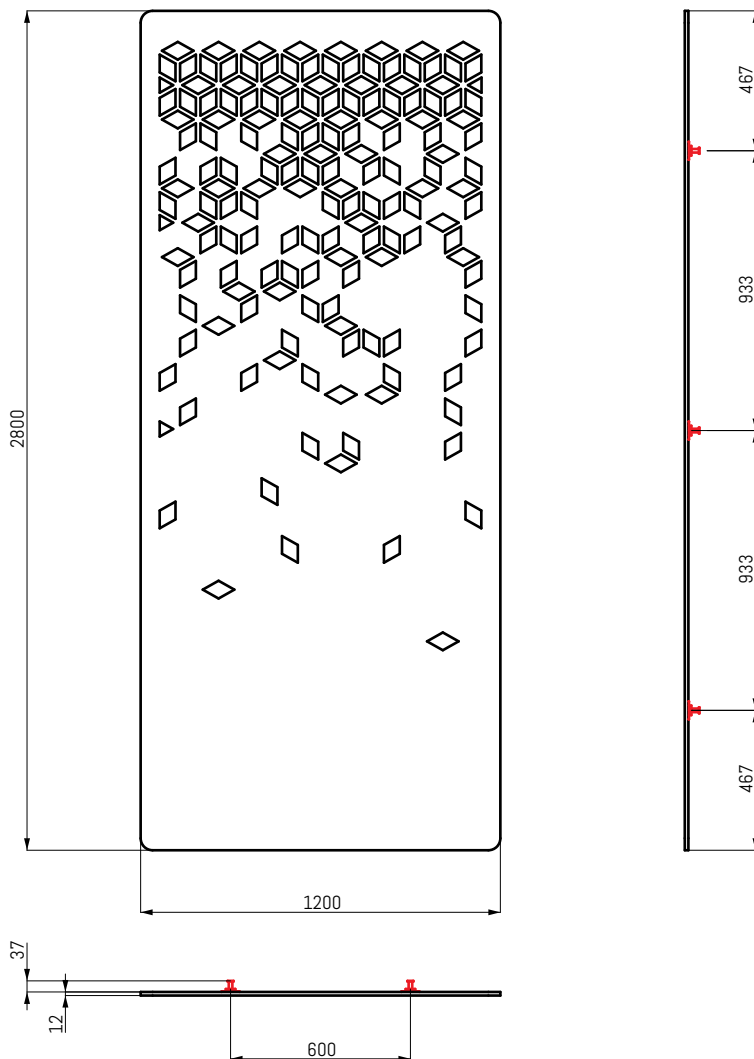
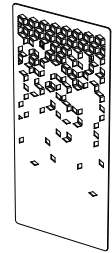


ECHOFIELD® 12MM ORNAMENT PERFORATED

1468

1200x2800x49mm

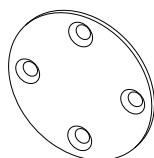
*This product is available with all ECHOJAZZ perforations. See perforations overview.



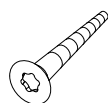
PARTS



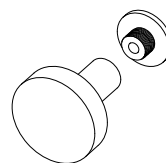
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DIMENSIONS & PARTS

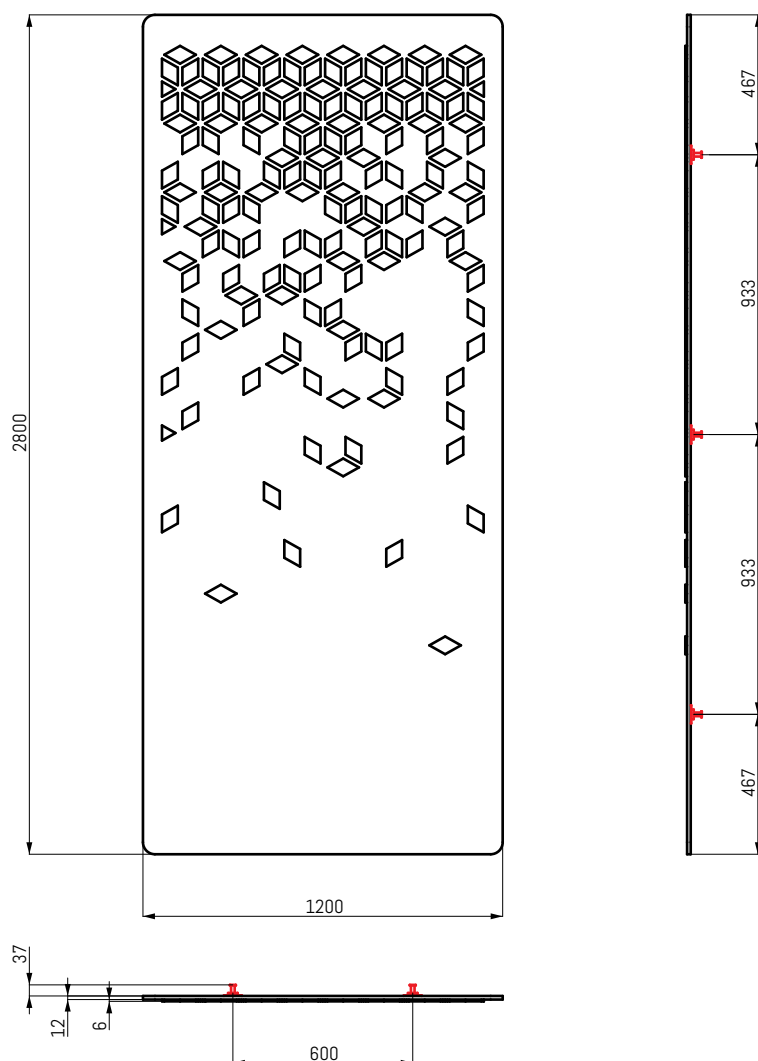


ECHOFIELD® 12MM ORNAMENT EMBOSSED

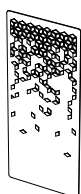
1467

1200x2800x55mm

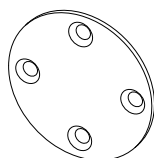
*This product is available with all ECHOJAZZ perforations. See perforations overview.



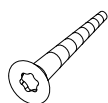
PARTS



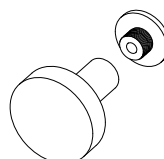
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DIMENSIONS & PARTS

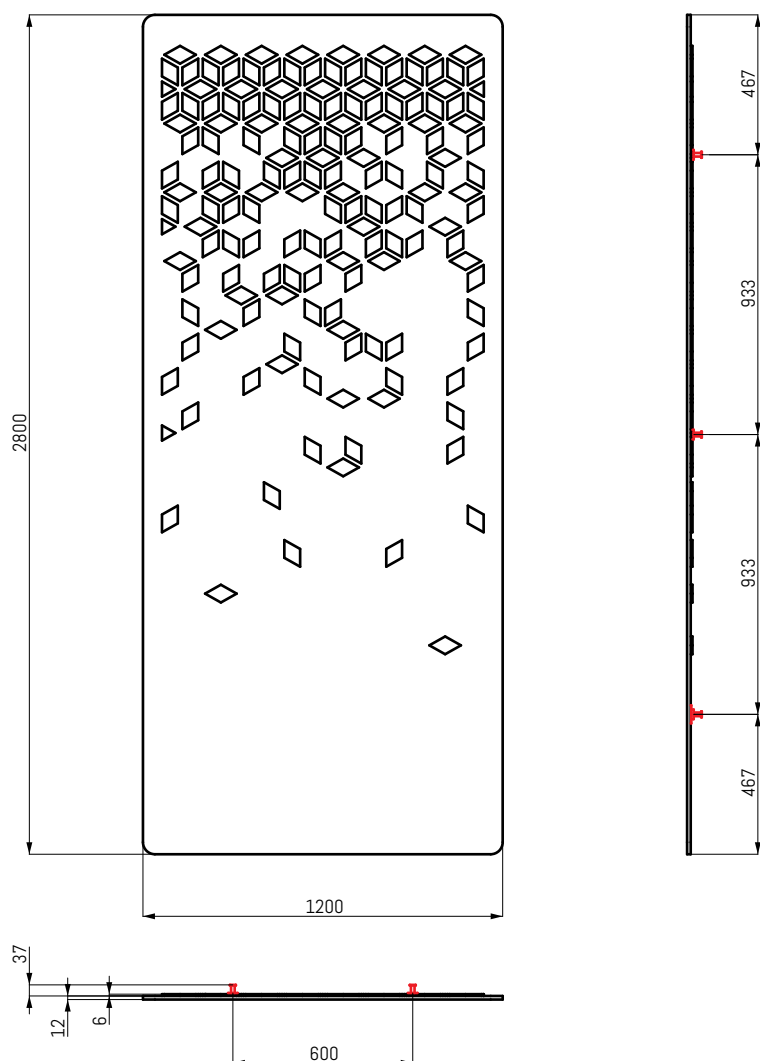
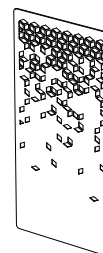


ECHOFIELD® 12MM ORNAMENT DEBOSSSED

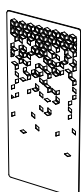
1466

1200x2800x49mm

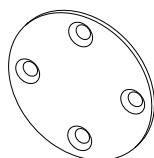
*This product is available with all ECHOJAZZ perforations. See perforations overview.



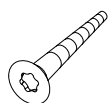
PARTS



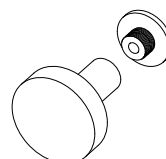
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Absorber



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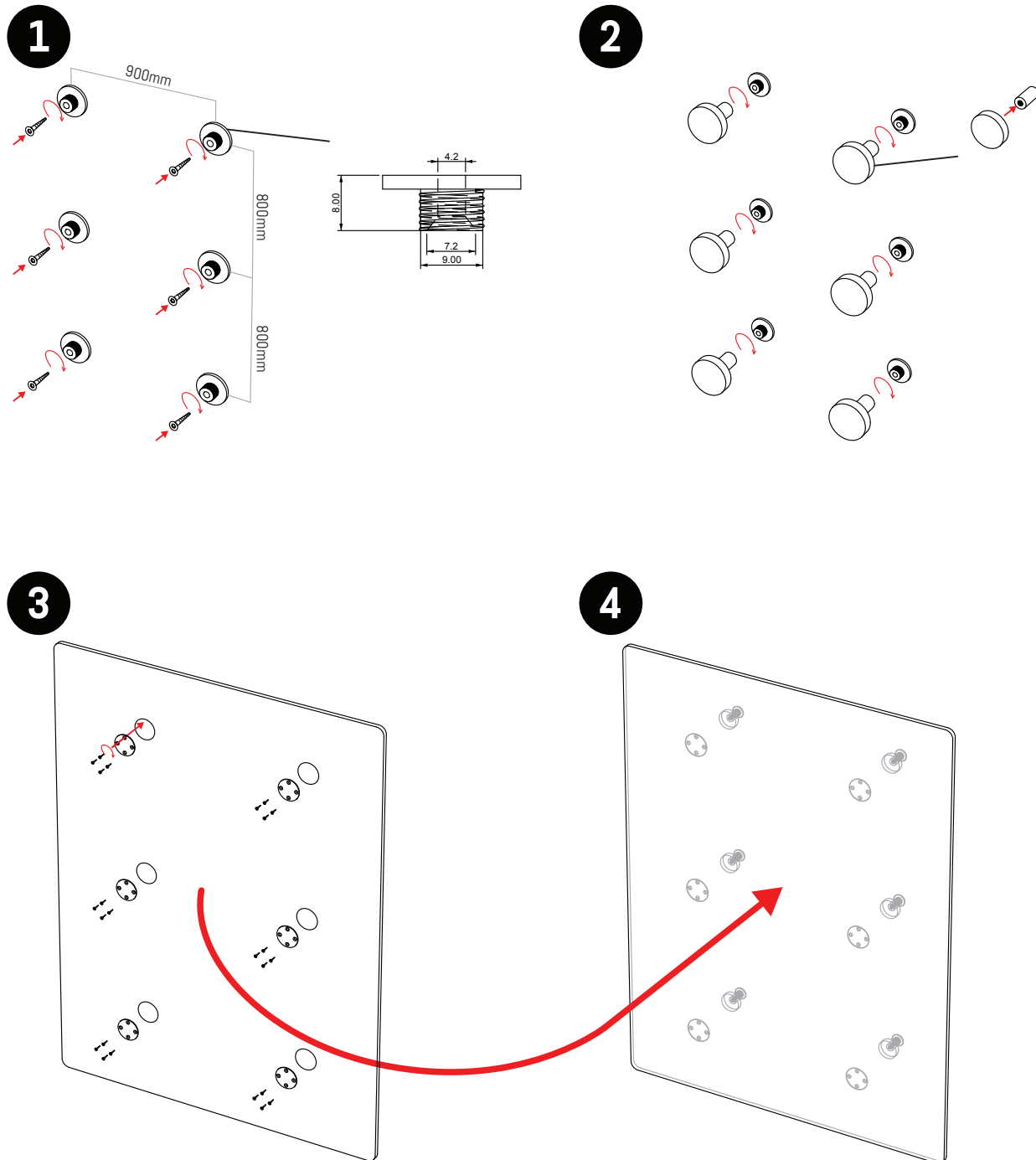


6x
Wall mounting set
with magnets

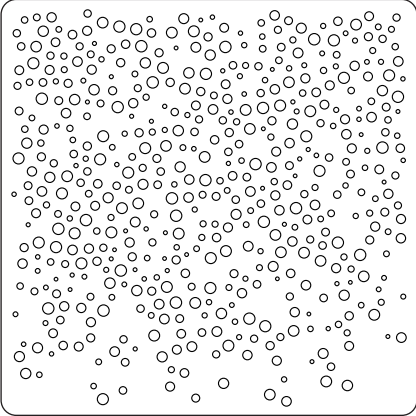
INSTALLATION



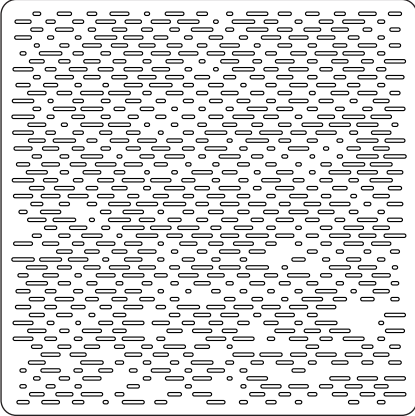
ECHOFIELD® ORNAMENT: MAGNETIC QUICK-RELEASE SYSTEM



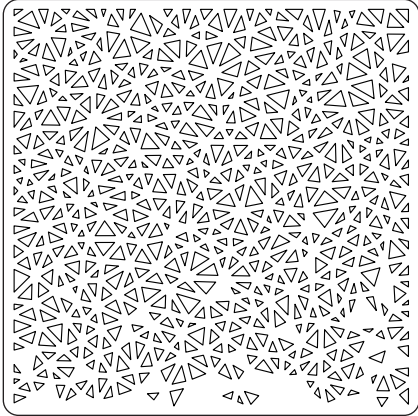
PERFORATIONS/DESIGNS



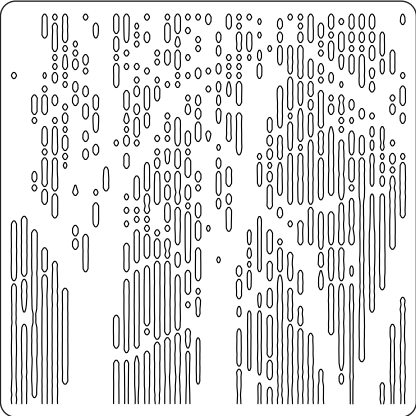
SPARKLY - K



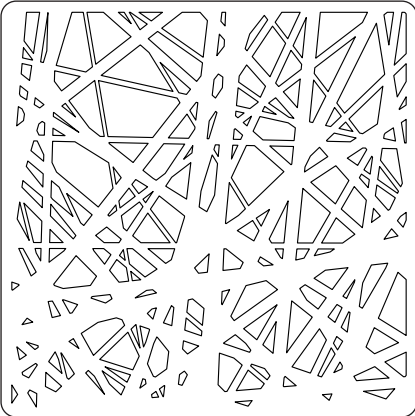
PEN - L



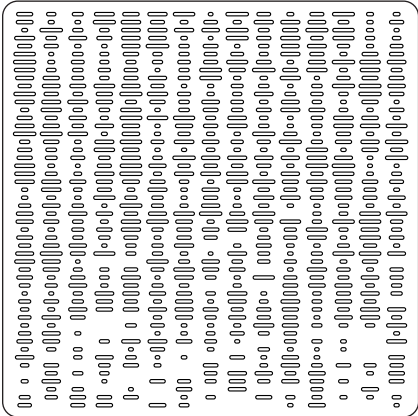
MESH - M



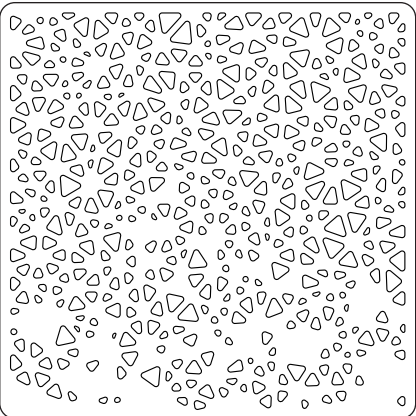
JUNGLE - N



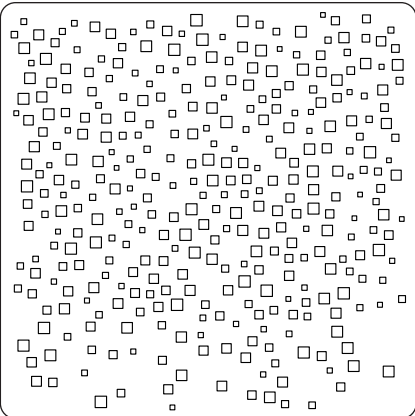
BEAM - O



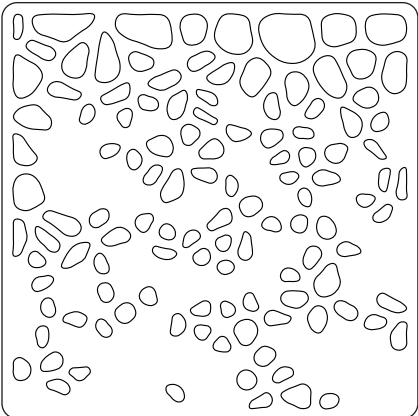
ZEN - P



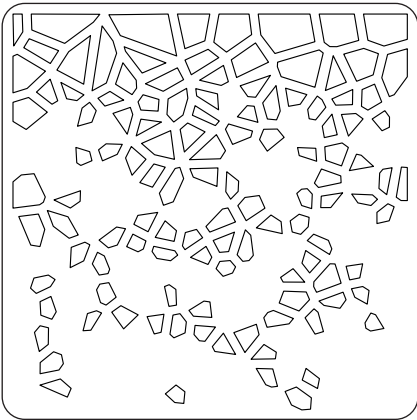
PETALS - Q



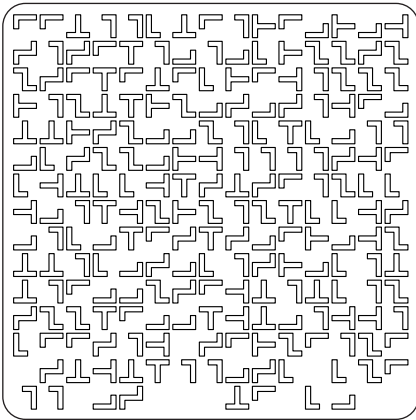
CITY - R



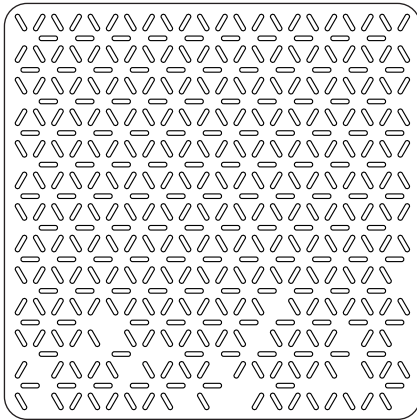
GECKO - S



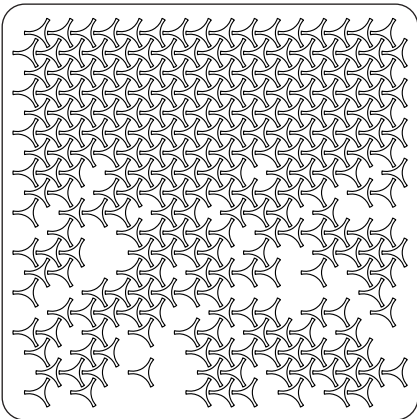
SPIDER - T



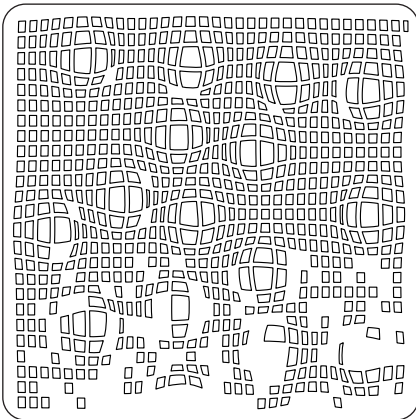
BLOCKS - U



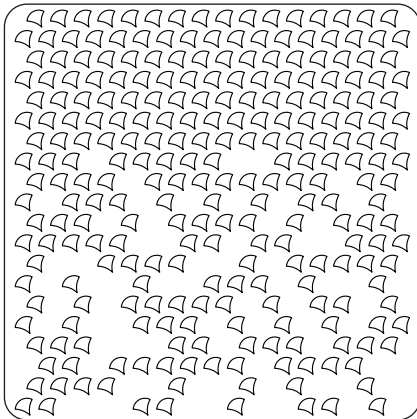
BASILIKA - V



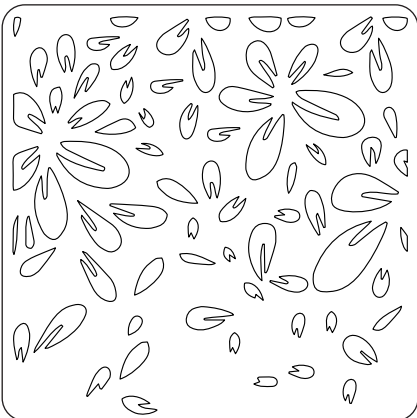
CELTIC - W



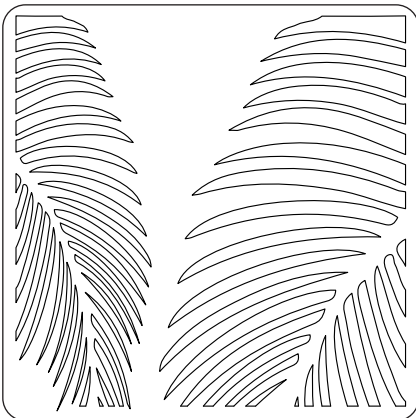
PULL - X



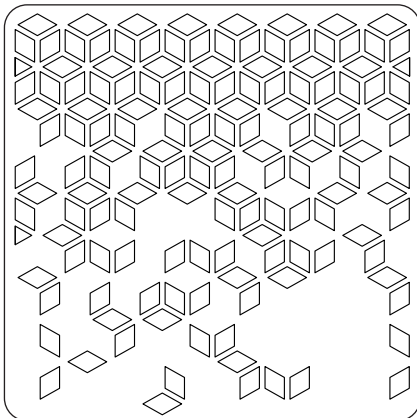
ARC - Y



FLOWERS - Z



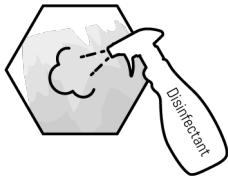
PALM - AB



CUBE - AC

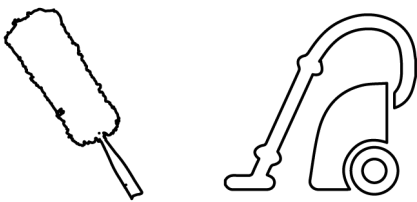
SURFACE DISINFECTION

Spray disinfectants can be used for rapid surface disinfection.



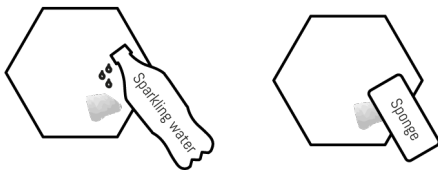
DUSTER/VACUUM CLEANER

For dusting use duster or vacuum cleaner.



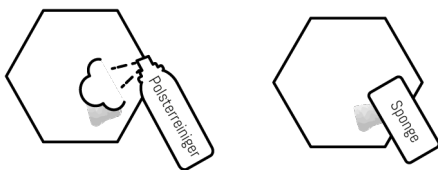
SPARKLING WATER

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



UPHOLSTERY CLEANER

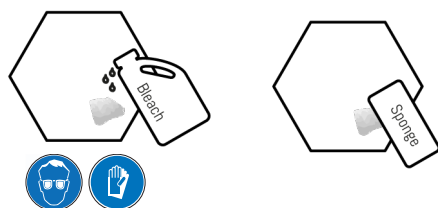
For medium contamination apply upholstery cleaner to polluted area. Wipe carefully with a sponge.



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.