

Design aesthetically and acoustically winning interior spaces with the infinitely customizable and ecologically sound EchoPanel® acoustic panels and tiles. Take the next step in functional, beautiful, sustainable design.

Specifications:

Kirei EchoPanel® is a decorative surface finish offering acoustic performance with a felt-like face finish. Panels and tiles are produced from 100% PET, with up to 60% recycled content.



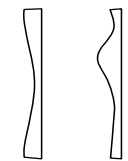
Dune/Wave Tile

Dune
Wave
Weight
Material thickness
Fire Rating
Sound Absorption

ACTUAL SIZE
1.97" x 19.68" x 19.68"
2.36" x 19.68" x 19.68"
.79lbs/tile
.16"
ASTM E84 Class A
ASTM C423-90A

METRIC
50mmx500mmx500mm
60mmx500mmx500mm
360gm/tile
4mm
Wave NRC .55
Dune NRC .60
<.07mg/m²/hour

SIDE VIEW



Dune Wave

VOC Emissions ASTM D5116

Dune/Wave tiles are sold in boxes of 9 tiles. Each box includes an installation template, and a mixed bag of installation clips (16 clips total, 4x A clip [end clip], 8x B clip [two-way clip], 4x C clip [four-way clip]). For more information, please request an installation guide.



EchoPanel®

NOMINAL SIZE

¼"x4'x8'
½"x4'x8'
1" x 4' x 8'

Weight
Fire Rating
Sound Absorption
7mm:
12mm:
24mm:

ACTUAL SIZE

(.23" x 3.97" x 8.86")
(.47" x 3.94" x 7.87")
(.94" x 5.97" x 7.87")

7mm: approx 9 lbs/sheet
ASTM E84 Class C (Class A treatment available)
ASTM C423-90A
NRC .25 (no air gap)
NRC .45 (20mm air gap)
NRC .70 (50mm air gap)
ASTM D5116

METRIC

7mm x 1210mm x 2700mm
12mm x 1200mm x 2400mm
24mm x 1820mm x 2400mm

12mm: approx 16 lbs/sheet
NRC .65 (no air gap)
NRC .75 (20mm air gap)
NRC .85 (50mm air gap)
<.02mg/m²/hour

Note: Not all colors/prints are available in all thicknesses. See reverse side for specifics. Custom shapes available.



Geometry Tile

Size
Weight
Fire Rating
VOC Emissions

ACTUAL SIZE
.47" x 8.66"x7.87"
.49lbs/sf
ASTM E84 Class C (Class A treatment available)
ASTM D5116

METRIC
12mm x 220mm x 200mm
<.02mg/m²/hour

Tiles come in boxes of 10 Geometry tiles – each box covers an area of 3.44 ft² (.32m²)

Environmental Benefits

Environmentally Sustainable – Recycled Content, Low VOC, Recyclable, Green Tag™ Certified

- Recycled content: EchoPanel® panels and tiles are produced from recycled and recyclable PET
- GreenTag certified www.globalgreentag.com
- Low VOC product – no added urea formaldehyde
- Recyclable – EchoPanel® products are 100% PET and can be recycled through the normal waste stream.

Storage & Installation

Storage

EchoPanel® sheets, Wave/Dune and Geometry Tile should be stored flat. Storage areas should be clean, dry, cool, and well ventilated. Protect panel faces from dirt and damage prior to installation.

Cleaning

Blot excess spills from material quickly. Wipe with a damp cloth. If stain persists, apply small quantities of carpet or upholstery shampoo solution with a damp cloth. Blot well with a clean cloth after each application of the solution. Warning, avoid excessive amounts of water.

Note: Ensure adequate ventilation if the product is likely to be subject to excessive moisture.

Installation

Dune/Wave Tiles

Tiles can be attached with nails or screws using the special clips and template included in each box of tiles. Tiles are interchangeable when a change in color or design is desired.

EchoPanel® Geometry Tiles

Tiles are self-adhered using peel and stick adhesive included on each tile. Each Geometry Tile has a directional finish - check tile orientation prior to installation. Carefully plan your installation to ensure correct grain orientation and ensure you have sufficient number of tiles for the project. Mark a centerline point using level horizontal and vertical guide lines at right angles. Ensure the surface area to which the tiles are going to be fixed is smooth, clean and free from dust or other contaminant. We recommend a test tile be used on the substrate prior to application of tiles to determine that the adhesive is suitable for the application. Peel off backing and stick on to substrate, using even pressure to ensure proper adhesion.

EchoPanel® Acoustic Panels

EchoPanel® 7mm/12mm panels can be cut using construction knife, CNC router, panel saw waterjet or laser cutter (CNC routing specs available). Waterjet may leave stain marks on lighter panels, while laser cutting is recommended for 7mm panels only. Laser cutting 12mm panels may lead to scorching.

Panels can be adhered to surfaces with standard construction adhesives such as Liquid Nails. (NOTE: DO NOT USE PVA GLUE) Panels may also be screwed to underlying surfaces. If air gap is desired, EchoPanel®s can be attached to wooden battens, with a recommended spacing of 600mm between battens.



Kirei EchoPanel®

// sounds beautiful



Revised April 2014



Kirei EchoPanel® Sounds Beautiful

Shape the sound of your space beautifully with new EchoPanel® from Kirei.

Versatile EchoPanel® acoustic panels and tiles add color and style to any space while quieting rooms by controlling sound reflection. EchoPanel® panels and tiles are manufactured using recycled PET plastic bottles, eco-friendly dyes and no added adhesive, resulting in a Green Tag™ - certified product which can help gain LEED™ green building credits with almost no VOC emissions.

Visual Style/Acoustic Control

EchoPanel®



Panels

Visually interesting, acoustically calming.

7mm, 12mm and 24mm come in 13 trend-forward colors and 9 stock prints. EchoPanels® can be custom cut to size, shape and pattern, and may be formed and printed on for complete customization of your space. EchoPanels® achieve Noise Reduction Coefficients of up to .75 depending on installation.

Panel size: 7mm/12mm/24mm x 4' x 8' (nominal)

SOLIDS:

108	151	258	273	295	362	402
442	444	500	542	551	579	908

24mm only

PRINTS:

Plaid (7mm only)

141	315	451	546	576	612

Tilt

131	402	448	501	545

Frequency

101	611	641	544

Striae (7mm only)

402	448	501	545

Trapeze

107	150	443	454

Hex

111	444	542	258	384	440

Ripple

111	444	542	440

Puzzle

100	447	554	122	152	554

Ceremony (7mm only)

122	152	554	554

Note on Sizes:

7mm - Stocked in all prints and solid colors 442, 444, 500, 542 and 908. All other solid colors available with a MOQ of 350 sheets.

12mm - Available in all solid colors and all prints except Ceremony, Striae, and Plaid.

24mm - Available in 542, 442, and 402 only. All other solid colors available with a MOQ of 230 sheets.

Geometry Tiles



108	151	258	273	295	362	
442	444	500	542	551	579	908

Great-looking sound control in a flash!

Peel-and-stick backers make the EchoPanel® Geometry Tiles a quick and easy way to create visually interesting, acoustically controlled spaces. Great for offices, children's rooms, health care, libraries, anywhere a flexible easy-to-install acoustic solution is needed.

Tile Size: .47" x 8.66" x 7.87" 10 tiles/box
Custom sizes and shapes available. Call for details.

Dune / Wave Tiles



108	151	258	273	DUNE	WAVE
361	444	542	908		

Natural waveforms change your sound.

Lightweight Dune and Wave tiles are soothing visual backgrounds and help control ambient noise levels. Tiles are easily installed and interchanged using a clip system. The Wave and Dune tiles can change your room and sound in no time flat.

Tile Size: Dune 1.97" x 19.68" x 19.68"
Wave 2.36" x 19.68" x 19.68"

9 tiles/box - standard clips included in each box.