ECHOPANEL PANELS: SOLIDS & PRINTS

kirei

EchoPanel Solids | Color Options

EchoPanel Solids | Color 442 (Speckled Gray)

	Metric	Standard	Thickness	Weight	SF/Panel
7mm Panel	1200mm x 2800mm	47.24 in. x 110.24 in.	7mm	11 lbs	36.2
12mm Panel	1200mm x 2800mm	47.24 in. x 110.24 in.	12mm	18 lbs	36.2
24mm Panel	1820mm x 2400mm	71.64 in. x 94.44 in.	24mm	30 lbs	47

All specs refer to singular products and not multiples unless specified. Due to the nature of the material, cutting and fabrication process, minor dimensional variances may occur. Custom options available upon request. EchoPanel is sold individually and ships flat.

EchoPanel

EchoPanel® is a decorative, acoustically-absorbent panel with a felt-like finish that is made from 100% PET plastic, with at least 60% recycled content. EchoPanel is a low-VOC material, meeting requirements for LEED and other green building certifications. A Declared, Red-List Free material, EchoPanel qualifies for the Living Building Challenge.

Individual panels can be installed on walls and ceilings as well as in a variety of office furniture systems, wall panel systems and ceiling grid systems. Kirei's collection of expertly-crafted EchoPanel acoustic design elements imagines the possibilities of a single panel, allowing designers to create truly memorable spacial experiences without the heavy-lifting. From decorative wall tiles to ceiling clouds and baffles, EchoPanel's strength shows through it's material simplicity and design versatility.

EchoPanel Print panels are a collection of hand screen-printed patterns that provide visual dynamics and acoustic control for walls and workstations. EchoPanel Prints are available in 12mm panels. Custom digital printing is also available.

Please note that not all colors come in all thicknesses. Refer to the sample board for color and size availability.

EchoPanel Prints | Pattern Trio 365

ECHOPANEL PANELS: SOLIDS & PRINTS

Sabins per 7mm EchoPanel

Frequency	250Hz	500Hz	800Hz	1000Hz	2000Hz	4000Hz	NRC
m^2/Object	0.34	1.14	2.29	3.08	5.94	9.36	0.25 (no air gap)
m^2/Object (20mm air gap)	1.03	2.74	5.25	6.86	10.28	11.31	0.45 (20mm air gap)
m^2/Object (50mm air gap)	3.08	6.85	9.59	10.96	11.31	10.16	0.70 (50mm air gap)

Sabins per 12mm EchoPanel

Frequency	250Hz	500Hz	800Hz	1000Hz	2000Hz	4000Hz	NRC
m^2/Object	0.35	2.23	4.47	5.76	8.94	11.17	0.40 (no air gap)
m^2/Object (20mm air gap)	1.65	4.35	7.53	9.29	11.64	11.17	0.55 (20mm air gap)
m^2/Object (50mm air gap)	4.00	8.11	10.23	11.29	11.29	10.94	0.75 (50mm air gap)
m^2/Object (1” fiberglass)	4.33	6.78	6.66	6.58	6.47	7.10	0.90 (1” fiberglass)
m^2/Object (2” fiberglass)	6.56	7.35	7.03	6.49	6.60	6.80	1.00 (2” fiberglass)

Sabins per 24mm EchoPanel

Frequency	250Hz	500Hz	800Hz	1000Hz	2000Hz	4000Hz	NRC
m^2/Object	1.85	6.65	9.36	10.72	11.83	11.83	0.65 (no air gap)
m^2/Object (20mm air gap)	2.59	8.13	11.33	12.57	12.57	12.20	0.75 (20mm air gap)
m^2/Object (50mm air gap)	4.93	10.96	13.18	13.06	11.70	11.95	0.85 (50mm air gap)
m^2/Object (2” fiberglass)	6.97	7.77	7.35	6.97	6.88	7.01	1.05 (2” fiberglass)

EchoPanel Prints | Pattern Astro 462

Fire Rating

7mm and 12mm panels: ASTM E84 Class C
(Class A achievable with treatment.)

24mm panels: ASTM E84 Class B

VOC Emissions

CDPH (CA 01350) Compliant; TVOC: <0.5 mg/m3

Ecospecifier GreenTag Compliant;
TVOC: 0.015 mg/m2/hr (ASTM D5116)

To learn more about pricing and installation call 619.236.9924, or visit kireiusa.com

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Available Solid Colors and Material Thickness

101 | Frost
12mm • 24mm

108 | Yellow
12mm

124 | Ochre
12mm

151 | Orange
12mm

167 | Cinnamon
12mm

193 | Rouge
12mm

269 | Wine
12mm • 24mm

273 | Blue
12mm

274 | Orchid
12mm

276 | Lavender
12mm

295 | Dark Orange
12mm • 24mm

325 | Viridian Green
12mm • 24mm

330 | Ivy
12mm • 24mm

338 | Jade
12mm

349 | Vineyard
12mm

365 | Navy
12mm • 24mm

381 | Lime Splice
12mm

384 | Seaweed
12mm • 24mm

402 | Taupe
12mm • 24mm

442 | Speckled Gray
7mm • 12mm • 24mm

444 | Gray
7mm • 12mm

447 | Slate
12mm

454 | Mushroom
12mm • 24mm

468 | Vanilla
12mm • 24mm

487 | Blush
12mm • 24mm

500 | White
7mm • 12mm

542 | Charcoal
7mm • 12mm • 24mm

550 | Onyx
12mm • 24mm

551 | Teal
12mm

576 | Magenta
12mm

579 | Olive Green
12mm

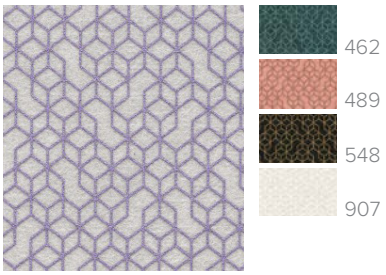
580 | Sage
12mm

633 | Pacific
12mm • 24mm

660 | Coronet
12mm

908 | Ivory
7mm • 12mm • 24mm

Available Prints & Material Thickness:



462
489
548
907

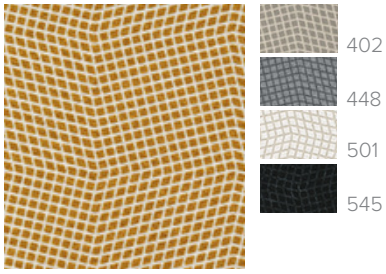
Astro 270
12mm

101
213
301
544
577
612
641

Frequency 100
12mm

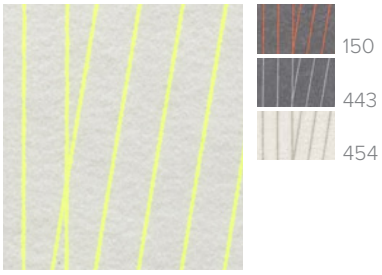
444
542

Hex 111
12mm



402
448
501
545

Tilt 131
12mm



150
443
454

Trapeze 107
12mm

315
365
381
500

Trio 100
12mm

For pattern repeats and trimming instructions, please download the full spec sheet at **kireiusa.com**.

Note: EchoPanel Prints are hand screenprinted, and as such, some variation in color and pattern may occur.

AUG 2021

ECHOPANEL PANELS: SOLIDS & PRINTS

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EchoPanel Solids & Prints | Colors 381 (Lime Green), 444 (Gray); Pattern Trio 381

Installation

Panels can be installed on walls, ceilings, in office furniture systems and wall panel systems, used as decorative tiles, and even finished products. It is also tackable for a multipurpose solution in office spaces or educational facilities.

For instructions on how to install EchoPanel panels in a variety of ways, please visit our website and download our EchoPanel Panel Installation Guide.

EchoPanel Solids Custom Cut | Colors 442 (Speckled Gray), 542 (Charcoal)

Customization

EchoPanel can be digitally printed and custom cut with CNC, laser, water-jet or hand knife to make your design ideas come to life. For information on custom printing and cutting of EchoPanel, please contact Kirei.

EchoPanel Solids Custom Print | Color 500 (White)