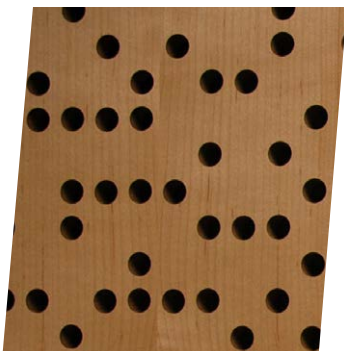




Acoustical Wood Collection

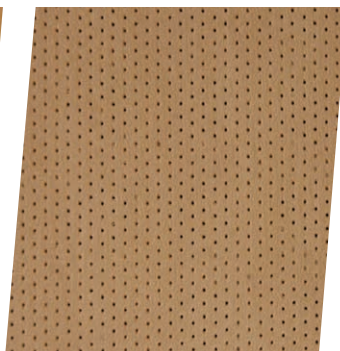
ABSORBERS



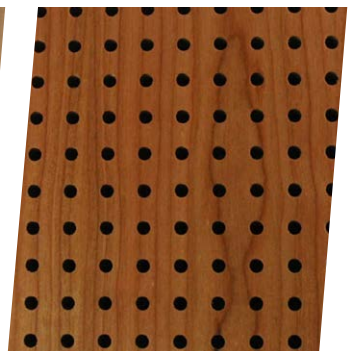
TAD-Revealed



Alto



Picado



Sereno



WOOD ABSORBERS

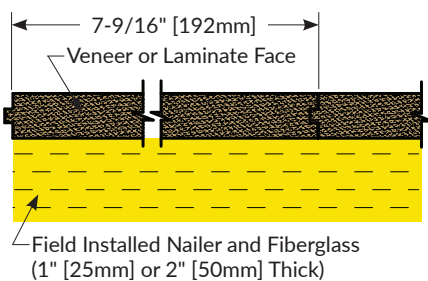
Reflective architectural elements such as glass and wood, while beautiful, establish an uncomfortable, reverberant space. Designing with Kinetics Noise Control's Acoustical Wood Absorbers creates a comfortable acoustic environment by eliminating harsh sound reflections typically found in lobbies, conference rooms, worship spaces, and restaurants.

CONFIGURATIONS

Kinetics offers three different product configurations: Panels, Planks, and the all-in-one Ensemble. Available in your choice of finishes and patterns, it is easy to find the exact look for your project's needs.

PLANKS

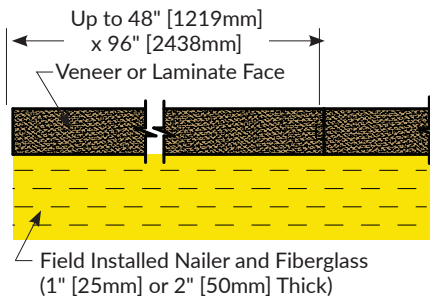
Tongue and groove planks create a hardwood floor-like appearance. Available in the Alto and Picado patterns.



Planks are easily field cut and nailed in place around doors, windows, and other architectural features.

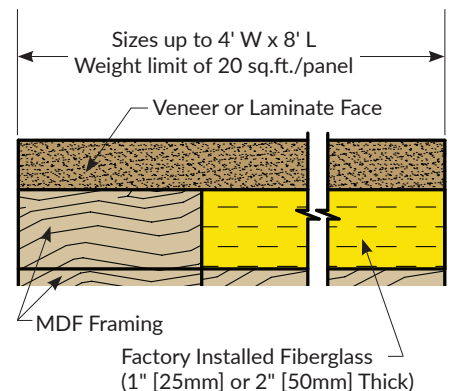
PANELS

Panels are hung on z-clips and can be custom sized to your dimensions. Available in the Alto, Sereno, Picado, or TAD patterns.



ENSEMBLE

Ensemble arrives as a ready to hang panel complete with fiberglass and frame. Available in the Alto, Sereno, Picado, or TAD patterns.





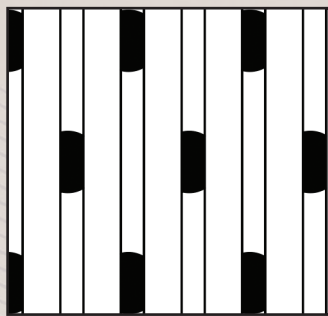
ENSEMBLE ALL-IN-ONE COMPOSITE

Unlike Planks and Panels, the Ensemble comes complete with built-in absorptive fiberglass. Reduced field labor and faster installation are benefits of the Ensemble option. Eliminating the need to install nailers, absorptive board and a wood panel with trim, the Ensemble arrives as an all-in-one finished composite panel. Ready to hang on z-clips, it is great for new construction or retrofits on a tight schedule.

ALTO

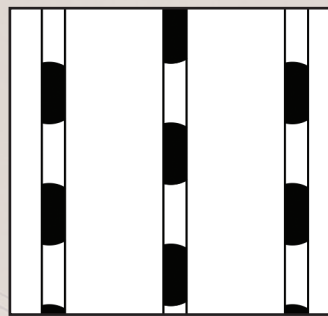
The Alto perforation pattern offers visual refinement with a grooved wood surface that allows for sound absorption. When butted together, the groove pattern is uninterrupted. Choose between narrow or wide groove spacing depending on what look best fits your project. Available in Planks, Panels and Ensemble.

Alto 8

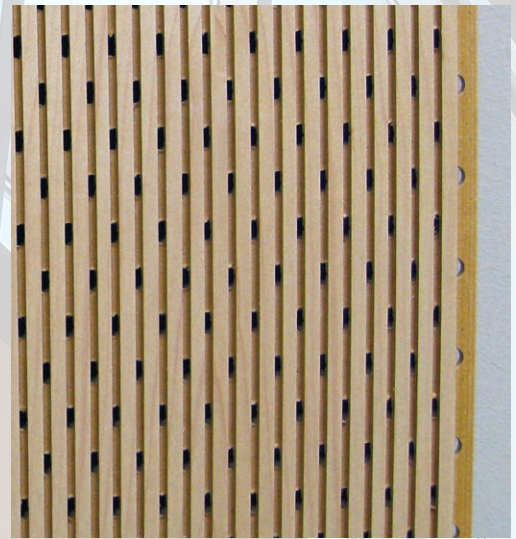


**8mm groove spacing
(actual size)**

Alto 16



**16mm groove spacing
(actual size)**

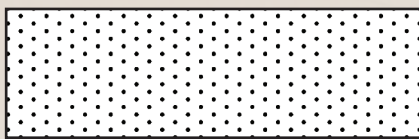


Alto 8 Plank

PICADO

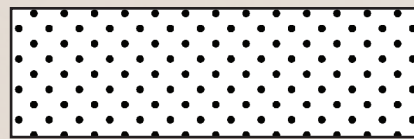
Picado features surface pinholes that are invisible from a distance, yet large enough to provide excellent sound absorption. Select Picado for acoustic performance combined with a solid wood appearance. Available in Planks, Panels, and Ensemble.

Picado 5

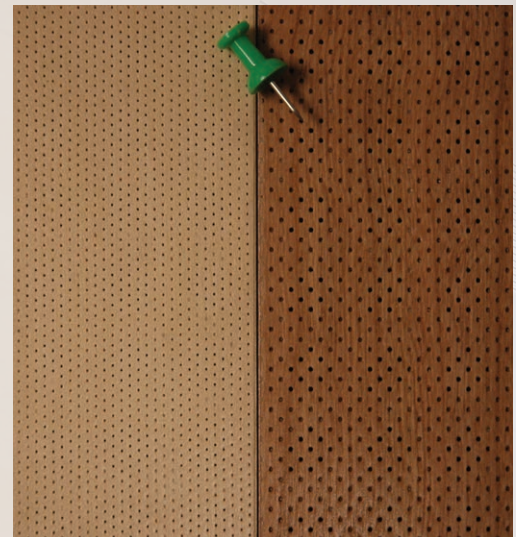


**.5mm hole pattern
(actual size)**

Picado 9



**.9mm hole pattern
(actual size)**



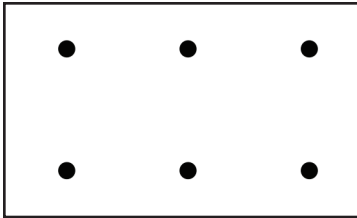
Picado 5

Picado 9

SERENO

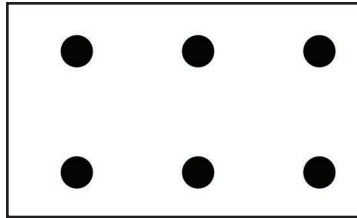
Sereno features symmetrical hole patterns of various sizes for the passage of sound into the concealed absorber. Select from four sound tested standards or contact Kinetics to create custom patterns. Sereno is available in Panels or Ensemble.

Sereno 2/10

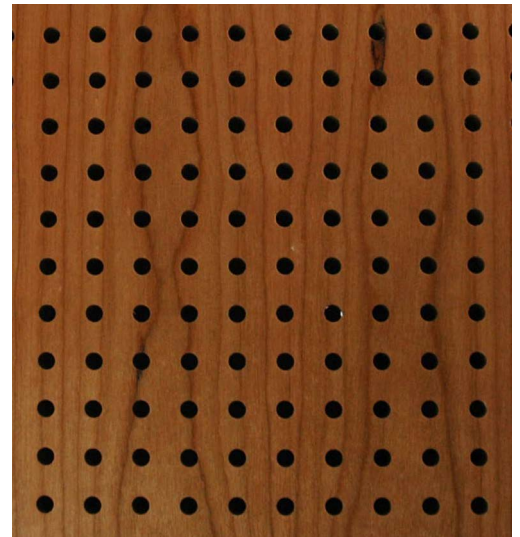


**2mm face holes /
10mm back holes
(actual size)**

Sereno 4/10

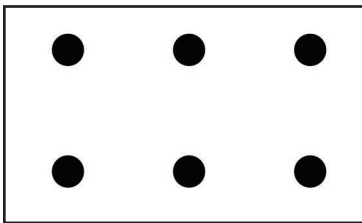


**4mm face holes /
10mm back holes
(actual size)**



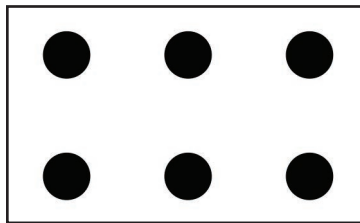
Sereno 6

Sereno 4

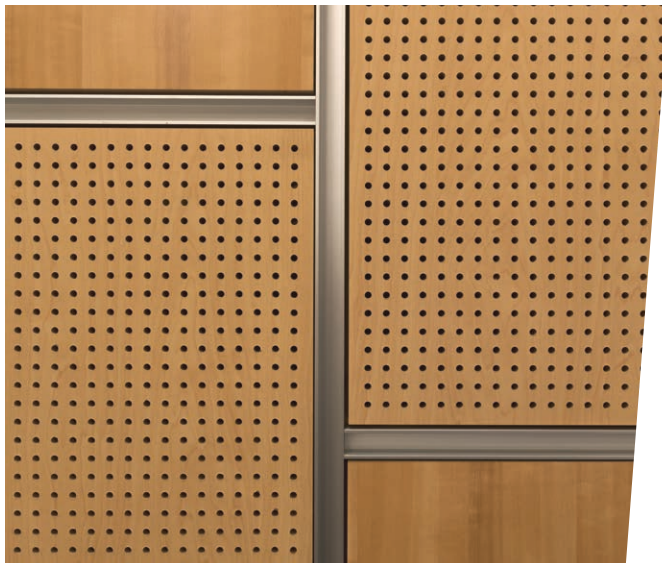


**4mm through holes
(actual size)**

Sereno 6



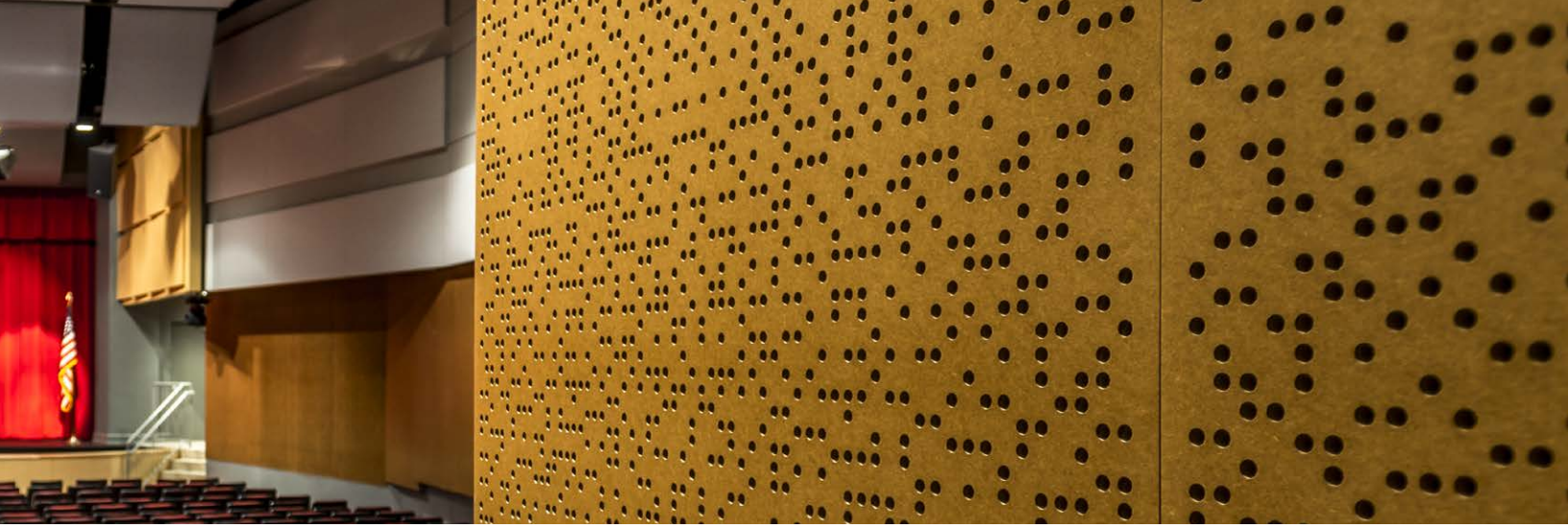
**6mm through holes
(actual size)**



Sereno used in a lecture hall (see cover). Solid and perforated panels provided by Kinetics Noise Control.



Sereno panels can be intermixed with solid faced panels; the result is both absorptive and diffusive acoustic treatment.



TAD REVEALED

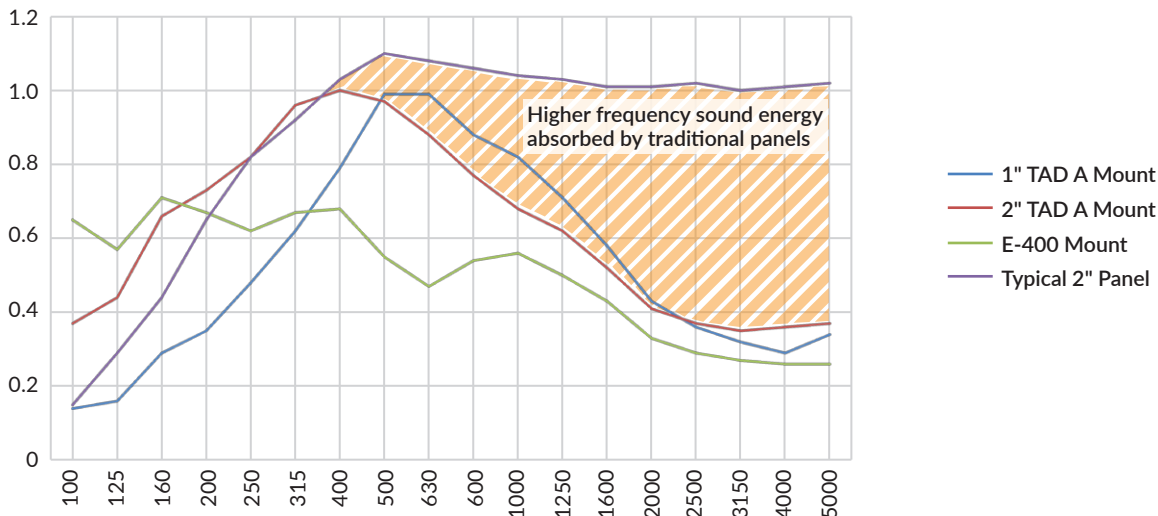
Bring a tech look to your acoustics. TAD revealed panels offer a solution balancing sound absorption with diffusion. The acoustical performance of this panel is the result of the assembly of a sound absorptive fibrous core behind a variable impedance laminate. Openings in the laminate are sized and randomly spaced to optimize absorption in low to mid frequencies while creating higher frequency diffuse reflections. For increased low frequency sound absorption, a thicker fibrous core (2" [50.8 mm] to 4" [101.6 mm]) can be specified. For increased high frequency absorption, the hole size can be changed to 5/8" (17 mm) diameter versus the standard 1/2" (13 mm) opening. Available in panels and ensemble.

ACOUSTICAL PERFORMANCE

Absorption per ASTM C423

Frequency, Hz	Bass					Mid Range										Treble				NRC
	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000		
1" TAD A Mount	0.14	0.16	0.29	0.35	0.48	0.62	0.79	0.99	0.99	0.88	0.82	0.71	0.58	0.43	0.36	0.32	0.29	0.34	0.70	
2" TAD A Mount	0.37	0.44	0.66	0.73	0.82	0.96	1.00	0.97	0.88	0.77	0.68	0.62	0.52	0.41	0.37	0.35	0.36	0.37	0.70	
E-400 Mount	0.65	0.57	0.71	0.67	0.62	0.67	0.68	0.55	0.47	0.54	0.56	0.50	0.43	0.33	0.29	0.27	0.26	0.26	-	
Typical 2" Panel	0.15	0.29	0.44	0.65	0.82	0.92	1.03	1.10	1.08	1.06	1.04	1.03	1.01	1.01	1.02	1.00	1.01	1.02	1.00	

TAD REVEALED ABSORPTION COEFFICIENTS



ACOUSTICAL PERFORMANCE

Frequency, Hz	125	250	500	1000	2000	4000	NRC
Alto 8 - 1"	0.19	0.41	1.00	0.95	0.44	0.49	0.70
Alto 8 - 2"	0.33	0.98	1.26	0.84	0.55	0.59	0.90
Alto 8 - E-400	0.84	1.01	1.11	0.93	0.62	0.66	0.90
Alto 16 - 1"	0.17	0.54	0.93	0.97	0.77	0.64	0.80
Alto 16 - 2"	0.43	0.99	0.95	0.86	0.78	0.73	0.90
Alto 16 - E-400	0.73	0.88	0.65	0.67	0.68	0.69	0.70
Picado 5 - 1"	0.15	0.54	1.00	0.99	0.74	0.52	0.80
Picado 5 - 2"	0.44	0.98	1.06	0.87	0.79	0.56	0.90
Picado 5 - E-400	0.78	0.86	0.65	0.65	0.76	0.57	0.75
Picado 9 - 1"	0.15	0.55	0.96	1.03	0.75	0.60	0.80
Picado 9 - 2"	0.37	1.06	1.08	0.91	0.78	0.62	0.95
Picado 9 - E-400	0.83	0.86	0.60	0.65	0.73	0.61	0.70
Sereno 2/10 - 1"	0.17	0.74	0.91	0.32	0.13	0.06	0.55
Sereno 2/10 - 2"	0.48	1.19	0.66	0.31	0.19	0.12	0.60
Sereno 2/10 - E-400	0.80	0.66	0.41	0.31	0.27	0.17	0.40
Sereno 4/10 - 1"	0.15	0.55	1.06	0.87	0.40	0.26	0.70
Sereno 4/10 - 2"	0.38	1.09	1.04	0.74	0.52	0.29	0.85
Sereno 4/10 - E-400	0.88	0.85	0.56	0.52	0.53	0.31	0.60
Sereno 4 - 1"	0.23	0.64	0.61	0.43	0.29	0.21	0.50
Sereno 4 - 2"	0.48	0.71	0.52	0.38	0.32	0.28	0.50
Sereno 4 - E-400	0.48	0.53	0.40	0.35	0.35	0.34	0.40
Sereno 6 - 1"	0.13	0.32	0.82	1.06	0.62	0.42	0.70
Sereno 6 - 2"	0.37	0.90	1.28	1.03	0.72	0.58	1.00
Sereno 6 - E-400	0.88	1.02	1.06	1.10	0.80	0.62	1.00

*As tested with 1" and 2" fiberglass per ASTM C-423; E-400 tested with no absorptive core

ALTO, PICADO, SERENO, ENSEMBLE, AND TAD REVEALED WOOD OPTIONS

Veneer	Core	Matching	Cuts	Finish	Edges
Maple	MDF	Book	Plain Sliced (Flat)	Clearcoat (38 sheen)	Bare MDF
Cherry	Fire-Rated NAUF-MDF	Slip	Quarter	Laminate	Stain/Painted
Oak	NAUF-MDF	Sequence	Rift	Paint	Edge Banded
Walnut	FR Particleboard	Random	Rotary	Unfinished*	Trim Pieces
Birch	CARB.2				
Mahogany					
Custom					

FSC® Certification Available Upon Request

*To be finished in the field if matching other wood

WOOD NOTES

The beauty of wood is that it varies in color, grain pattern, and over-all appearance and texture.

Wood products are hygroscopic and therefore will shrink and expand with changes in humidity.

WALL PANEL SIZE: 3/4" (19 mm) thick boards. Custom size up to 48" (1219 mm) x 96" (2438 mm).

CEILING PANEL SIZE: 3/4" (19 mm) thick boards. Custom size up to 30" (762 mm) x 60" (1524 mm), up to 48" (1219 mm) x 96" (2438 mm) with added stiffeners.

PLANKS: Tongue & Groove 5/8" (16 mm) thick. Width: 7-9/16" (192 mm); Length: 96" (2438 mm), 120" (3048 mm), or custom.

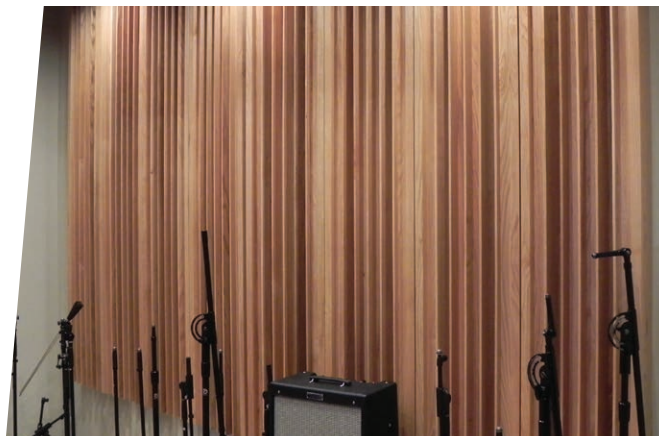
Acoustical Wood Collection

DIFFUSERS & REFLECTORS



HIGHTONES

HighTones panels combine the beauty of natural wood with the science of quadratic theory to create high frequency sound diffusing wall finishes that produce a superior acoustic environment.



MIDTONES

Borrowing from the same science of the HighTones, the wells of the MidTones have been widened and deepened resulting in mid and high frequency diffusion.



SCATTERBOX

Based on quasi-random series that provides multi-directional diffusion without visual patterning, the ScatterBox is ideal for studio control rooms, auditoriums, performance venues, listening rooms, home theaters, and worship spaces.



OVATIONS

Designed for large spaces requiring improved sound directivity, strength, and timing of reflections from the ceiling area, Ovation Reflector Panels work with absorptive products to create the optimal listening experience for the audience.



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