



Sereno

ACOUSTICAL WOOD COLLECTION

SERENO OFFERS THE BEAUTY OF NATURAL HARDWOOD FINISHES WITH SYMMETRICAL HOLE PATTERNS, PROVIDING INTERESTING VISUAL DESIGN OPTIONS THAT PERMIT THE PASSAGE OF SOUND ENERGY INTO A CONCEALED ABSORBER.

Sereno is a perforated wood panel which allows the designer to select from a variety of natural hardwood finishes that are acoustically transparent. The open area created by the Sereno panel's standard perforation pattern is higher than many wood acoustical panels producing impressive sound absorption ratings. Where noise and reverberation reduction are important elements of the design, and the desired finish is wood, Sereno is an excellent choice. The Kinetics' Acoustical Wood Collection enables designers to create beautiful auditoriums, atriums, conference rooms, courthouses and student centers finished in wood while providing acoustic function and comfort.

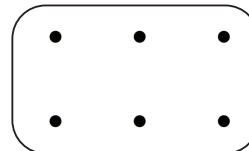
FEATURES

- Use on walls or ceilings
- Four standard patterns available (can be customized, contact factory)
- Visible holes can create a look from modern to retro

SPECIFIABLE OPTIONS

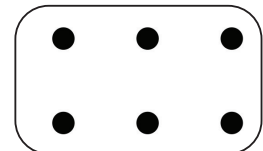
- Field assembled panels
- Factory assembled ready-to-hang Ensemble
- Hole size and pattern
- Veneer or laminate
- Edge finish
- Fire rated or non-fire rated core
- FSC® Certification available upon request

Sereno 2/10



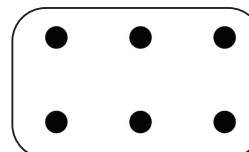
2 mm face holes /
10 mm back holes

Sereno 4/10



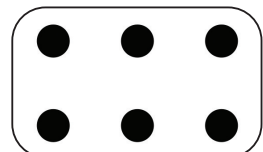
4 mm face holes /
10 mm back holes

Sereno 4



4 mm through holes

Sereno 6



6 mm through holes

Sereno / Acoustical Wood Collection

SOUND ABSORPTION

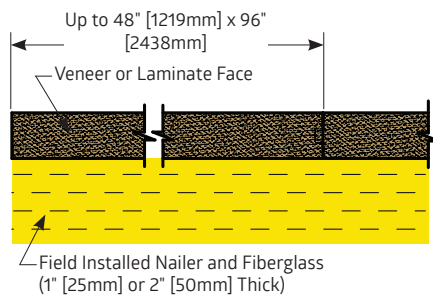
Frequency (Hz)	Bass					Mid Range								Treble				NRC	
	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000		5000
Sereno 2/10 1" FG	0.15	0.17	0.31	0.47	0.74	1.02	1.10	0.91	0.65	0.46	0.32	0.22	0.16	0.13	0.12	0.08	0.06	0.11	0.55
Sereno 2/10 2" FG	0.38	0.48	0.83	1.07	1.19	0.99	0.87	0.66	0.50	0.40	0.31	0.24	0.21	0.19	0.15	0.12	0.12	0.10	0.60
Sereno 2/10 E-400*	0.82	0.80	0.71	0.79	0.66	0.53	0.43	0.41	0.38	0.33	0.31	0.30	0.30	0.27	0.20	0.17	0.17	0.13	0.40
Sereno 4/10 1" FG	0.13	0.15	0.26	0.38	0.55	0.74	0.90	1.06	1.09	1.03	0.87	0.68	0.52	0.40	0.33	0.28	0.26	0.29	0.70
Sereno 4/10 2" FG	0.34	0.38	0.65	0.88	1.09	1.15	1.14	1.04	0.96	0.83	0.74	0.65	0.58	0.52	0.42	0.33	0.29	0.28	0.85
Sereno 4/10 E-400*	0.75	0.88	0.86	0.94	0.85	0.71	0.63	0.56	0.63	0.55	0.52	0.50	0.52	0.53	0.49	0.39	0.31	0.25	0.60
Sereno 4 1" FG	0.24	0.23	0.40	0.53	0.64	0.68	0.69	0.61	0.57	0.49	0.43	0.37	0.33	0.29	0.25	0.23	0.21	0.26	0.50
Sereno 4 2" FG	0.48	0.48	0.67	0.75	0.71	0.65	0.60	0.52	0.47	0.43	0.38	0.34	0.35	0.32	0.27	0.26	0.28	0.30	0.50
Sereno 4 E-400*	0.64	0.48	0.53	0.56	0.53	0.47	0.43	0.40	0.40	0.39	0.35	0.35	0.35	0.35	0.32	0.32	0.34	0.32	0.40
Sereno 6 1" FG	0.16	0.13	0.19	0.25	0.32	0.51	0.62	0.82	0.93	1.04	1.06	0.96	0.75	0.62	0.49	0.40	0.42	0.50	0.70
Sereno 6 2" FG	0.27	0.37	0.45	0.63	0.90	1.15	1.24	1.28	1.24	1.15	1.03	0.91	0.81	0.72	0.66	0.60	0.58	0.60	1.00
Sereno 6 E-400 FG	1.01	0.88	0.75	0.95	1.02	1.05	1.03	1.06	1.14	1.11	1.10	1.02	0.92	0.80	0.72	0.65	0.62	0.62	1.00

*Tested without fiberglass backer · FG = Fiberglass absorptive core · Noise Reduction Coefficient (NRC) frequencies shown in blue

CONFIGURATIONS

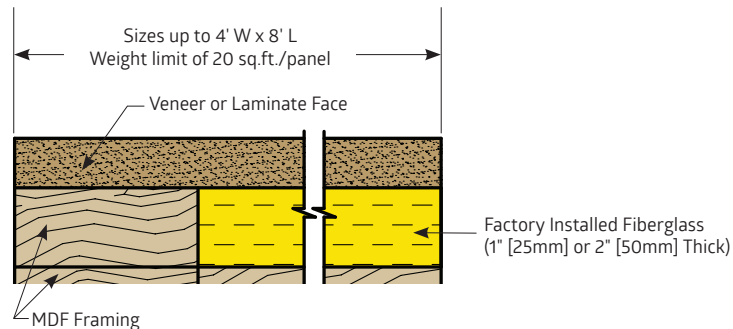
Panels

Picado panels are hung on z-clips and can be custom sized to your dimensions.



Ensemble

Ensemble arrives as a ready to hang panel complete with fiberglass and frame.



WOOD OPTIONS

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

Wood Notes:

The beauty of wood is that it varies in color, grain pattern, and overall appearance and texture. Wood products are hydroscopic and therefore will shrink and expand with changes in humidity.

FSC® Certification Available

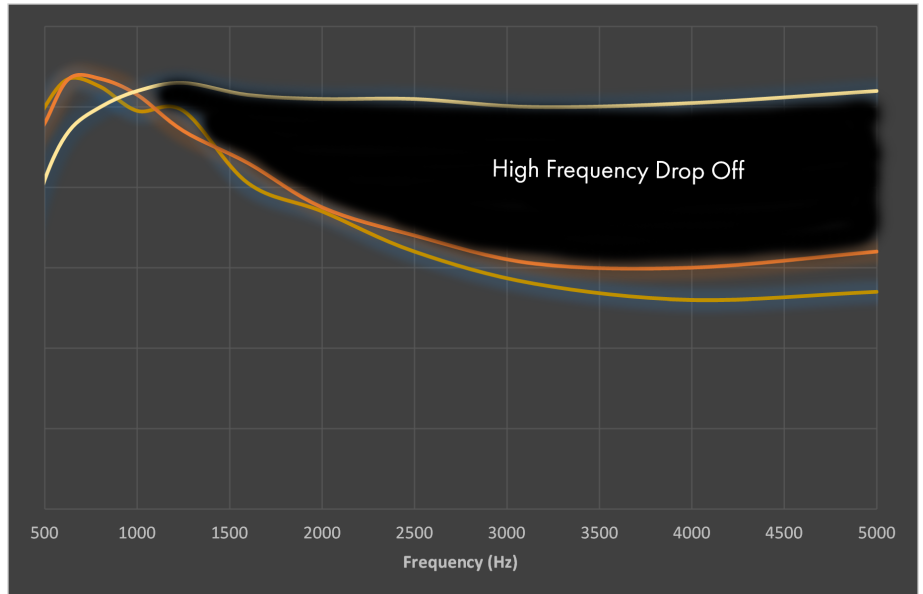
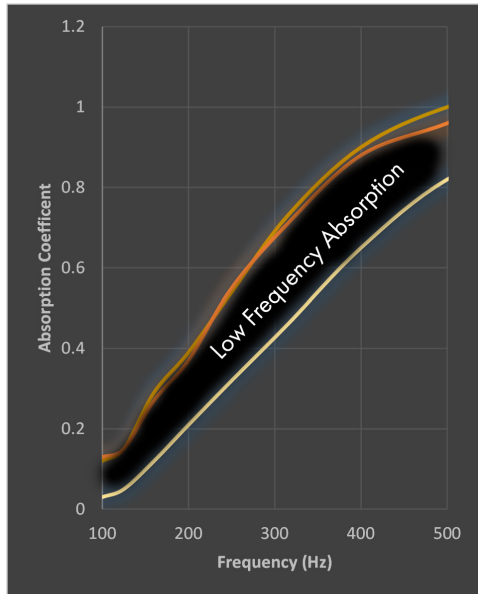
*Select for shortest lead time and/or cost savings **To be finished in the field if matching other wood

ABSORPTION PROFILES

Room elements such as curtains, upholstery, clothing and even people absorb higher frequency sound. The Kinetics Sereno patterns drop off in these higher frequencies providing acoustic balance. In addition, they absorb more in the lower frequencies than 1" or 2" fiberglass panels. Lower frequency absorption normally requires thicker fiberglass panels, making the Picado a very efficient absorber for its profile.

SERANO ON 1" FIBERGLASS VS. 1" FIBERGLASS PANEL

A-Mounted (typical for wall applications)



SERANO NO FIBERGLASS VS. 1" PANEL

E-400 (typical for ceiling applications)

