

Auralex Acoustical Testing Data Master Table

Auralex Product	1/3-Octave Band Center Frequency (Hz)																NRC	Mounting	Description		
	100	125 ¹	160	200	250 ¹	315	400	500 ¹	630	800	1000 ¹	1250	1600	2000 ¹	2500	3150				4000 ¹	5000
1" Studiofoam Wedges	0.09	0.10	0.10	0.10	0.13	0.16	0.20	0.30	0.43	0.59	0.68	0.77	0.85	0.94	1.01	1.03	1.00	1.03	0.50	A	2'x4'x1" Foam Panel
2" Studiofoam Wedges	0.17	0.11	0.16	0.24	0.30	0.45	0.64	0.91	1.01	1.06	1.05	1.02	1.03	0.99	0.97	0.95	1.00	1.05	0.80	A	2'x4'x2" Foam Panel
3" Studiofoam Wedges	0.17	0.23	0.19	0.31	0.49	0.71	0.87	1.06	1.10	1.05	1.04	1.03	0.97	0.96	0.98	1.01	1.05	1.03	0.90	A	2'x4'x3" Foam Panel
4" Studiofoam Wedges	0.24	0.31	0.36	0.62	0.85	1.09	1.21	1.25	1.17	1.16	1.14	1.08	1.06	1.06	1.11	1.09	1.09	1.10	1.10	A	2'x4'x4" Foam Panel
2" Studiofoam Pyramids	0.11	0.13	0.09	0.13	0.18	0.27	0.34	0.57	0.73	0.90	0.96	1.05	1.07	1.03	0.98	0.96	0.98	1.05	0.70	A	2'x4'x2" Foam Panel
4" Studiofoam Pyramids	0.21	0.27	0.28	0.37	0.50	0.70	0.85	1.01	1.09	1.13	1.13	1.13	1.12	1.11	1.12	1.09	1.12	1.13	0.95	A	2'x4'x4" Foam Panel
2" Studiofoam Metro	0.08	0.13	0.09	0.18	0.23	0.35	0.47	0.68	0.82	0.90	0.93	0.96	0.92	0.91	0.89	0.87	0.89	0.92	0.70	A	2'x4'x2" Foam Panel
4" Studiofoam Metro	0.24	0.31	0.40	0.56	0.72	0.98	1.13	1.19	1.23	1.24	1.26	1.26	1.24	1.22	1.20	1.19	1.20	1.20	1.10	A	2'x4'x4" Foam Panel
2" Sonomatt	0.08	0.13	0.14	0.20	0.27	0.35	0.47	0.62	0.75	0.85	0.92	0.96	1.01	1.02	1.00	1.02	1.02	1.06	0.70	A	4'x8'x2" Foam Panel
2" Wedgies	0.15	0.15	0.10	0.19	0.21	0.36	0.45	0.70	0.90	0.99	0.99	1.05	1.05	1.05	1.01	1.03	1.05	1.08	0.75	A	1'x1'x2" Foam Tile
DST-112/DST-422	0.14	0.12	0.14	0.22	0.27	0.36	0.43	0.54	0.62	0.68	0.71	0.76	0.80	0.83	0.85	0.89	0.99	1.09	0.60	A	1'x1'x2"/4'x2'x2" Foam Tile/Panel
DST-114/DST-244	0.15	0.16	0.18	0.23	0.29	0.41	0.49	0.57	0.66	0.72	0.75	0.78	0.84	0.90	0.91	0.94	1.00	1.08	0.65	A	1'x1'x2"/2'x4'x2" Foam Tile/Panel
MAX-Pak Studiofoam Wedges	0.10	0.13	0.12	0.16	0.22	0.30	0.35	0.47	0.55	0.65	0.66	0.71	0.74	0.81	0.87	0.93	1.01	1.06	0.55	A	2'x4'x1.5" Foam Panel
MAX-Wall Panels 01	0.55	0.81	0.86	1.06	1.02	1.11	1.06	1.06	1.07	1.05	1.05	1.05	1.05	1.02	1.00	1.00	1.02	1.06	1.05	A	20"x48" Stand-mounted Panel
MAX-Wall Panels 02	3.70	6.39	6.05	6.46	7.28	9.31	10.62	11.98	13.06	13.70	14.32	14.12	14.06	13.70	13.57	13.25	13.22	13.59	N/A	2	20"x48" Stand-mounted Panel
MegaMAX-Wall Panels 01	1.02	1.32	1.20	1.32	1.17	1.19	1.16	1.17	1.09	1.11	1.08	1.08	1.05	1.07	1.04	1.03	1.02	1.01	1.10	A	24"x48" Stand-mounted Panel
MegaMAX-Wall Panels 02	7.19	9.98	10.18	11.68	12.68	15.04	16.24	17.44	17.75	17.63	17.42	17.49	17.08	16.81	16.76	16.48	16.41	16.13	N/A	2	24"x48" Stand-mounted Panel
Venus Bass Traps	1.19	1.63	1.30	1.31	1.34	1.32	1.36	1.29	1.25	1.25	1.26	1.20	1.22	1.25	1.21	1.18	1.20	1.24	1.30	A	2'x4'x12" Foam Panel
LENRD Bass Traps	0.97	1.24	1.11	1.28	1.28	1.39	1.45	1.45	1.45	1.39	1.39	1.32	1.30	1.27	1.26	1.27	1.31	1.37	1.35	A	2'x1'x1" Triangular Foam Bass Trap
Metro LENRD Bass Traps	0.69	1.17	1.05	1.23	1.15	1.18	1.22	1.28	1.25	1.25	1.20	1.16	1.14	1.15	1.13	1.10	1.12	1.15	1.20	A	2'x1'x1" Triangular Foam Bass Trap
TruTraps no TruSpacers	0.38	0.40	0.46	0.65	0.82	1.06	1.18	1.24	1.26	1.25	1.21	1.22	1.20	1.22	1.21	1.15	1.13	1.09	1.10	A	2'x4'x3" Foam Panel
TruTraps with TruSpacers	0.49	0.62	0.68	0.88	1.01	1.25	1.40	1.41	1.37	1.30	1.22	1.25	1.30	1.29	1.28	1.27	1.31	1.26	1.25	A	2'x4'x3" Foam Panel on 3" spacers
Sunburst Male	0.76	1.08	0.96	1.15	1.23	1.22	1.21	1.14	1.12	1.09	1.07	1.05	1.05	1.05	1.07	1.04	1.08	1.14	1.10	A	4'x1' Semi-cylindrical Foam Absorber
Sunburst Female	0.51	0.65	0.60	0.84	1.02	1.08	1.06	1.00	1.01	1.06	1.08	1.05	1.04	1.05	1.06	1.08	1.08	1.13	1.05	A	4'x1' Concave Foam Absorber
VersaTile Convex	0.45	0.36	0.27	0.34	0.48	0.67	0.75	0.84	0.84	0.84	0.80	0.84	0.86	0.90	0.94	0.97	0.99	0.99	0.75	A	24"x16"X2" Foam Panel
VersaTile Concave	0.32	0.26	0.36	0.38	0.52	0.67	0.74	0.90	0.92	0.91	0.92	0.91	0.90	0.92	0.99	1.01	1.00	1.06	0.80	A	24"x16"X2" Foam Panel
VersaTile Corner	0.95	0.88	0.85	0.88	1.01	0.99	0.95	0.99	1.05	1.10	1.12	1.13	1.11	1.13	1.14	1.14	1.17	1.19	1.05	A	24"x16"X2" Foam Panel
2" SonoFlats	0.12	0.16	0.28	0.36	0.46	0.69	0.85	0.99	1.07	1.12	1.12	1.15	1.12	1.14	1.14	1.13	1.13	1.10	0.95	A	2'x2'x2" Flat, beveled Foam Panel
SonoColumns	0.81	1.10	1.21	1.41	1.36	1.46	1.50	1.50	1.46	1.41	1.38	1.37	1.36	1.34	1.32	1.31	1.33	1.31	1.40	A	4'x1'x6" Foam Column Absorber
M-111 Tiles	0.09	0.12	0.14	0.21	0.25	0.44	0.59	0.73	0.82	0.87	0.91	0.97	0.96	0.97	0.98	0.99	0.99	0.96	0.70	A	1'x1'x2" Melamine tiles
SonoFiber	0.05	0.09	0.12	0.19	0.20	0.42	0.54	0.72	0.84	0.93	0.97	1.02	1.04	1.04	1.04	1.02	1.01	1.01	0.75	A	2'x2'x1" Natural fiber panel (no facing)
B22/B24/X24 ProPanels	0.16	0.07	0.11	0.22	0.29	0.36	0.48	0.80	0.92	0.94	1.01	1.03	1.02	1.05	1.03	1.00	0.99	1.02	0.80	A	1" thick, 6# FG panel with GOM fabric facing
C24/C44/CT45 ProPanels	0.28	0.42	0.41	0.66	0.89	0.99	0.98	1.12	1.12	1.11	1.07	1.10	1.09	1.10	1.12	1.10	1.09	1.12	1.05	A	2" thick, 6# FG panel with GOM fabric facing
1" SonicPrint Panels	0.24	0.19	0.21	0.31	0.46	0.65	0.79	0.93	1.03	1.03	1.02	1.00	0.99	0.99	0.97	0.99	1.05	1.10	0.85	A	1" thick, 6# FG panel with custom images printed on fabric
T-Cooustic Ceiling Tiles	1.01	0.75	0.79	0.79	0.85	0.77	0.76	0.78	0.86	0.93	1.01	0.99	1.01	1.04	1.02	1.07	1.08	1.08	0.90	E-400	23.875"x23.875" x 1" thick 6# FG panel with fabric scrim
Eco-Tech Acoustical Panel	0.11	0.07	0.13	0.14	0.22	0.35	0.44	0.60	0.68	0.79	0.88	0.92	0.96	1.01	1.04	1.05	1.10	1.11	0.70	A	1" thick recycled polyester absorber
1" SonoSuede Panel	0.11	0.14	0.22	0.41	0.51	0.68	0.75	0.78	0.83	0.89	0.89	0.83	0.83	0.80	0.78	0.78	0.78	0.78	0.75	A	1" thick, 6# FG panel with micro-suede fabric facing
1" SonoSuede Panel on spacers	0.21	0.40	0.44	0.72	0.81	0.99	1.04	1.04	1.06	1.06	1.06	1.01	0.98	0.97	1.00	0.99	1.00	1.02	0.95	F	1" thick, 6# FG panel with micro-suede fabric facing on spacers
2" SonoSuede Panel	0.36	0.59	0.61	0.80	0.76	0.81	0.95	0.91	0.87	0.88	0.85	0.84	0.81	0.80	0.77	0.75	0.76	0.74	0.85	A	2" thick, 6# FG panel with micro-suede fabric facing
2" SonoSuede Panel on spacers	0.42	0.67	0.73	0.96	0.98	1.07	1.11	1.09	1.04	1.05	1.00	0.99	0.97	0.96	0.94	0.89	0.88	0.78	1.00	F	2" thick, 6# FG panel with micro-suede fabric facing on spacers
ELITE Absorber		0.08			0.31			0.79			1.01			1.00			0.99		0.80	A	1" Natural fiber core with fabric facing
2" Mineral Fiber		0.32			0.90			1.11			1.07			1.01			1.05		1.00	A	2'x4'x2" Mineral fiber panel (no facing)
4" Mineral Fiber		1.11			0.91			1.07			1.03			1.06			1.07		1.00	A	2'x4'x2" Mineral fiber panel (no facing)
T'Fusor 01	0.32	0.36	0.58	0.60	0.39	0.14	0.27	0.23	0.18	0.18	0.10	0.08	0.09	0.09	0.07	0.07	0.06	0.20	A	23.75"x23.75" Diffusor panel	
T'Fusor 02	0.42	0.45	0.40	0.30	0.31	0.25	0.25	0.23	0.22	0.21	0.16	0.14	0.14	0.15	0.16	0.18	0.21	0.20	0.20	E-530	23.75"x23.75" Diffusor panel
MetroFusor ³	0.04	0.06	0.05	0.07	0.05	0.05	0.08	0.14	0.19	0.25	0.36	0.57	0.66	0.68	0.60	0.55	0.47	0.46	0.30	A	23.75"x23.75" Diffusor panel

Other Tests	Auralex Product	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	STC	Test	Description
	SheetBlok STL (dB)	19.0	15.0	15.0	18.0	18.0	20.0	21.0	23.0	24.0	26.0	27.0	29.0	31.0	33.0	35.0	36.0	37.0	39.0	27.0	ASTM E90	1/8" thick EVA barrier material
	PlatFoam/GRAMMA Maximum Impact STL (dB)***	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	IIC ³	Test	Description
		6.5	2.5	2.5	3.0	2.0	12.0	17.0	20.0	23.0	32.0	34.0	40.0	41.0	43.5	52.0	48.0	43.0	37.0	61.0	ASTM E492 ⁴	2'x4"x48" Isolating foam
	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000		Test	Description	
TruTraps with Spacers—Special	5.35	4.39	5.92	7.26	9.04	12.13	14.02	15.00	14.91	13.77	13.77	13.79	14.23	14.33	14.66	14.13	14.26	14.29	ASTM C423 ⁵	2'x4'x3" Foam Panels on 3" spacers; panels spread out on the chamber floor		
T'Fusor Diffusion Coefficients				0.69	0.69	0.66	0.70	0.69	0.59	0.64	0.67	0.67	0.74	0.67	0.65	0.70	0.74	AES-4id-2001	23.75"x23.75" Diffusor panel			

¹Values reported as octave-band absorption coefficients in accordance with ASTM C423.

²MAX-Wall and MegaMAX-Wall tested free standing in chamber per Section 12.1.4 of ASTM C423. Values reported in each band are sabins per unit.

³Data also approximate absorptive effect of DST-Rs, Q'Fusors and ProFusors

⁴Estimated - Partial area of chamber floor floated using PlatFoam to mimic real world conditions. Not in strict compliance with ASTM E492.

⁵Panels were mounted on spacers, but not placed in the official test area. They were spread out in the lab to mimic a competitor's placement of a similar device. Absorption values are sabins/unit.