

## UA WEDGE PANELS: ACOUSTIC DATA

### TESTING

UA products are tested at Riverbank Acoustical Laboratory, the established standard in acoustical performance testing and research since 1913. Testing is fully accredited and performed according to ASTM / NIST / NVLAP standards and practices.

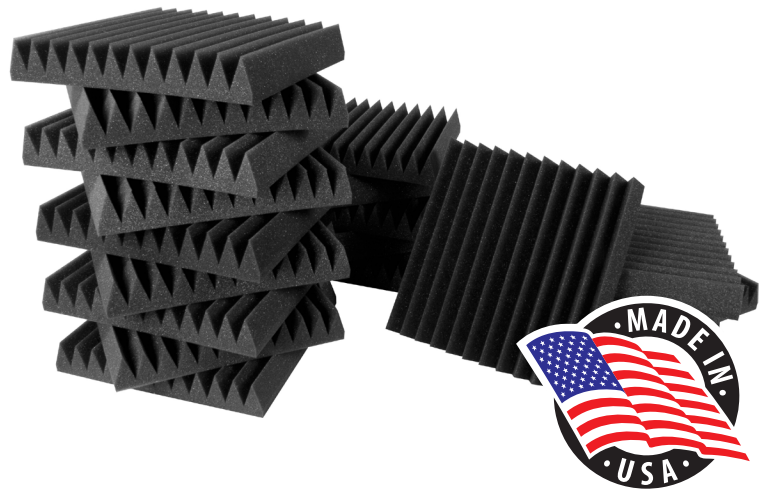
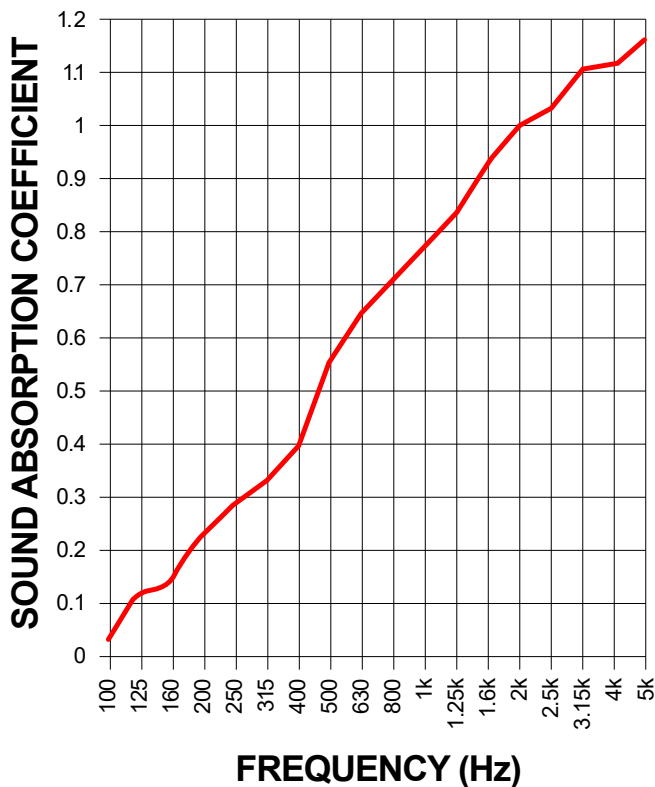
Samples were placed in a reverberant test chamber, laid in a pattern typical of an actual installation scenario. Tests were run both with standard frequency distribution, and extended frequencies / range to further evaluate performance.

### SUMMARY

Absorption: Average NRC of 0.65, maximum absorption coefficient of 1.17 Sabins.

Frequency distribution for 2" wedge cut foam panels as follows:

### GRAPH



**SAA = 0.65 NRC = 0.65**

## NUMERICAL TABLE

1/3 Octave Center Frequency (Hz)	Absorption Frequency Coefficient (Sabins / ft2)	Total Absorption In Sabins
100	0.04	2.25
125	0.13	8.08
160	0.14	9.09
200	0.24	15.06
250	0.29	18.49
315	0.33	21.37
400	0.40	25.39
500	0.56	35.56
630	0.65	41.53
800	0.72	45.79
1000	0.78	49.79
1250	0.83	53.40
1600	0.93	59.67
2000	1.00	64.10
2500	1.03	66.24
3150	1.11	70.99
4000	1.12	71.10
5000	1.17	74.59
ADDITIONAL EXTENDED FREQUENCIES		
40	0.08	4.86
50	0.17	10.57
63	0.11	6.95
80	-0.10	-6.71
6300	1.15	73.52
8000	1.07	68.74
10000	1.17	74.69

## DESCRIPTION

Ultimate Acoustic' Wedge Panels have an even performance curve across the frequency spectrum, typical of classic triangular anechoic designs. Absorption increases smoothly (+/- 0.1 Sabines) from 0.1 Sabines @ 100Hz up to a maximum of 1.17 Sabines @ 10KHz.

This smooth and predictable response makes them ideal for dampening early reflections, and treating common room problems like flutter echoes, comb filtering and phase and stereo imaging distortions.