UA BASS TRAPS: 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.

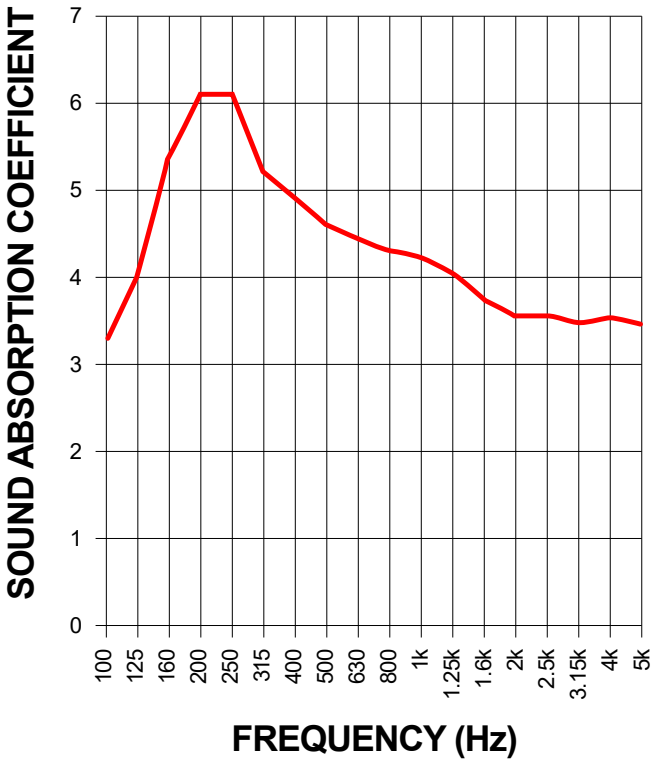
Samples were placed in a reverberant test chamber. The shape of the diagonal bass traps required a non-standard approach for spaced objects. Tests were run both with standard frequency distribution, and extended frequencies / range to further evaluate performance.

SUMMARY

Absorption: Average NRC of 1.4 (spaced object absorber, non-standard method), maximum absorption coefficient of 6.11 Sabins.

Frequency distribution for diagonal corner bass traps as follows:

GRAPH



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NUMERICAL TABLE

1/3 Octave Center Frequency (Hz)	Absorption Frequency Coefficient (Sabins / ft2)	Total Absorption In Sabins
100	3.27	45.81
125	3.99	55.90
160	5.34	74.74
200	6.10	85.47
250	6.09	85.31
315	5.21	73.00
400	4.92	68.89
500	4.59	64.29
630	4.45	62.24
800	4.32	60.42
1000	4.22	59.08
1250	4.04	56.55
1600	3.75	52.49
2000	3.54	49.59
2500	3.55	49.73
3150	3.46	48.48
4000	3.53	49.44
5000	3.46	48.38
ADDITIONAL EXTENDED FREQUENCIES		
40	0.35	4.83
50	1.53	21.36
63	0.85	11.94
80	2.07	28.93
6300	3.33	46.64
8000	3.41	47.67
10000	3.18	44.48

DESCRIPTION

Ultimate Acoustics' Bass Traps are effective at taming the bass response of any room, and are tuned to sound great. The Bass Traps start with a sound absorption coefficient of 3.3 Sabines @ 100Hz, with a contoured bump from 160-315Hz, peaking at 6.1 Sabines @ 200-250Hz. This unique shape is extremely good for filtering out muddiness and clarifying low end. They roll off gently above 400Hz, maintaining strong performance all the way through 3.5 Sabins @ 500Hz.

This tailored response makes them a perfect compliment to our Beveled Panels and Wedge Panels for an integrated, whole-space solution. UA Bass Traps are targeted at treating room modes and resonances, standing waves and other low-frequency issues.

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