

Riverbank Acoustical Laboratories (RAL) / An Alion Science Technical Center
Sound Absorption and Sound Absorption Coefficients
by the Reverberation Room Method ASTM C 423-07/NVLAP 08/P03

TEST NUMBER: A07-150 - B

TEST DATE: SEPTEMBER 28, 2007

CLIENT: Acoustic Fields
DESIGNATION: Low Frequency Diffusers
DIMENSIONS: 108" x 96" x 12"
AREA: 72.0 ft²
WEIGHT: 1186.75 lbs AREA WEIGHT: 16.48 lbs/ft²
MOUNTING: A EDGE SEAL: Unsealed
SPECIMEN DETAILS: 8@ 27" x 48" x 12"

TEST ROOM DETAILS: Room 0 Volume = 10311 ft³ Area = 2864.3 ft²
FILE NAME: A07_150_070928_B.doc

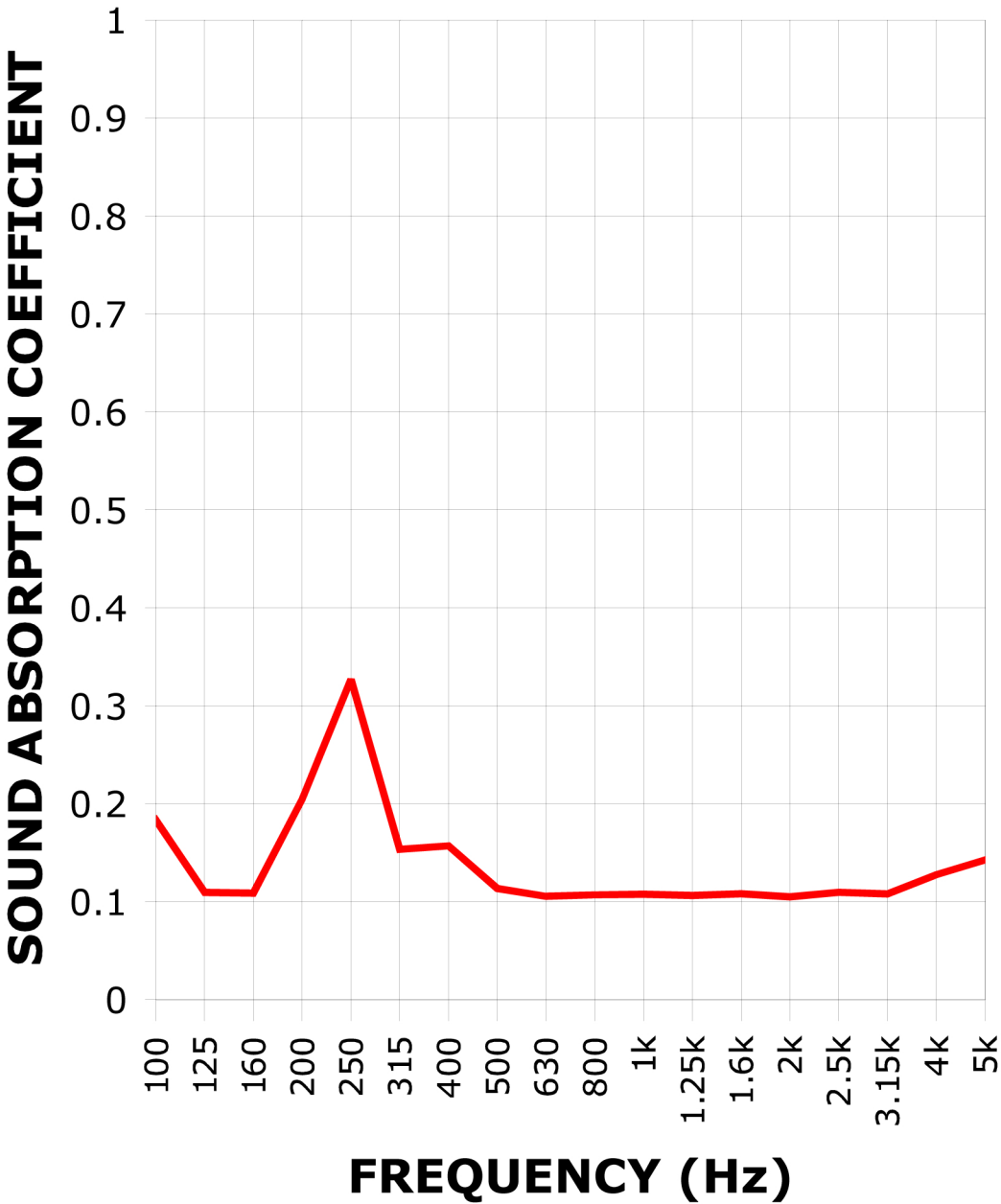
1/3 OCTAVE CENTER FREQ. (Hz)	ABSORPTION COEFFICIENT	TOTAL ABSORPTION (SABINS)
40	0.62	44.59
50	1.08	77.87
63	0.17	12.41
80	0.06	4.46
100	0.18	13.20
125	0.11	7.87
160	0.11	7.82
200	0.20	14.72
250	0.33	23.53
315	0.15	11.04
400	0.16	11.30
500	0.11	8.16
630	0.11	7.58
800	0.11	7.69
1000	0.11	7.74
1250	0.11	7.65
1600	0.11	7.78
2000	0.10	7.55
2500	0.11	7.88
3150	0.11	7.77
4000	0.13	9.17
5000	0.14	10.26
6300	0.12	8.74
8000	0.16	11.73
10000	0.13	9.23

SOUND ABSORPTION AVERAGE [SAA] = 0.14
NOISE REDUCTION COEFFICIENT [NRC] = 0.15

Test Conducted by: Dean Victor

This single report page and accompanying graph contain the instantaneous raw data as provided to the client after testing of the specimen. This data, although accurate, is incomplete without the full specimen description, mounting details and signature pages. The full report referenced by the RAL test number above should be consulted for further information regarding these results.

SOUND ABSORPTION REPORT
RAL - A07-150 - B



SAA = 0.14
NRC = 0.15