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RIVERBANK ACOUSTICAL LABORATORIES

Sound Absorption and Sound Absorption Coefficients
by the Reverberation Room Method ASTM C 423-01/NVLAP 08/P03

TEST NUMBER: A02-152
2002

TEST DATE: AUGUST 07,

CLIENT: homasote company
DESIGNATION: 1/2" 440 sound barrier
DIMENSIONS: 96" x 96" x 0.5"
AREA: 64.0 ft²
WEIGHT: 73 lbs
MOUNTING: D EDGE SEAL: Steel

SPECIMEN DETAILS:

2 @ 48" x 96" x 0.5"
2 x 4 16" on center
3.5" air space

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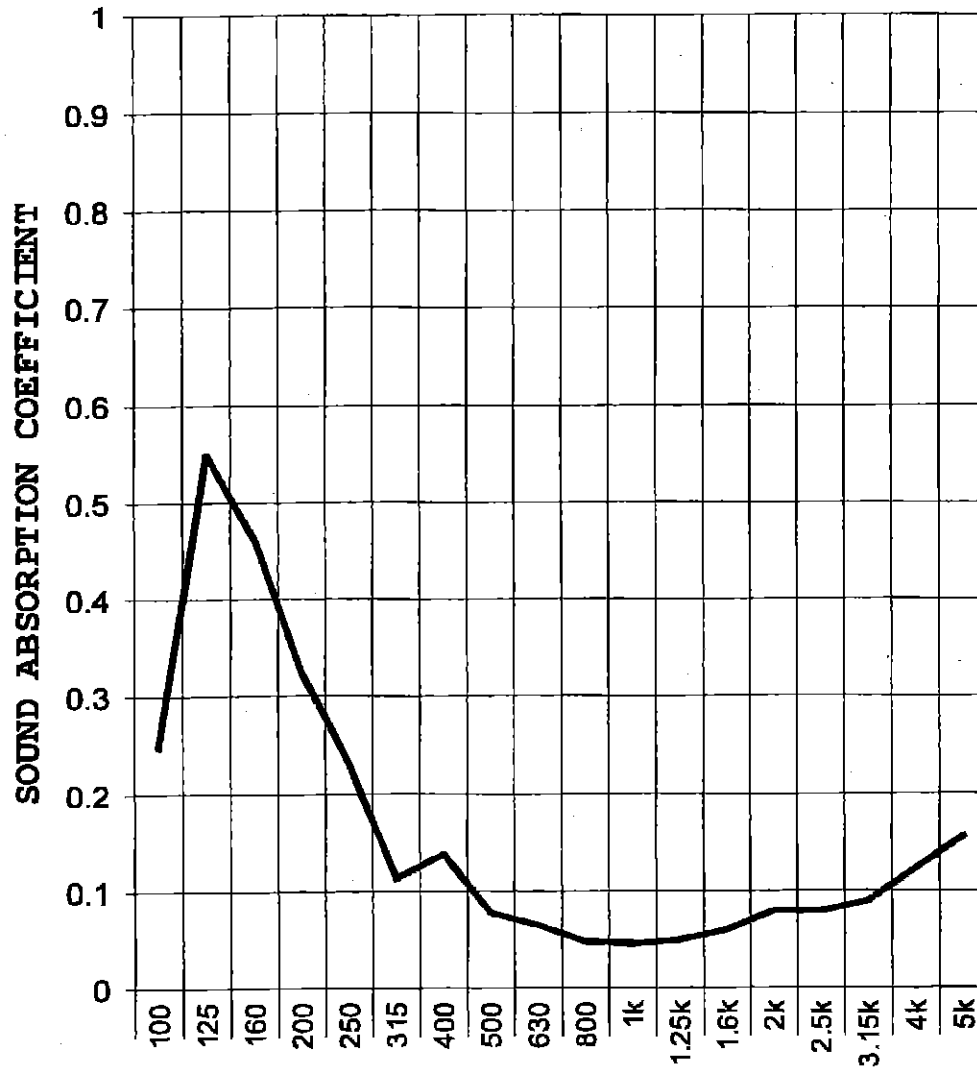
TEST ROOM DETAILS: Room 0 Volume = 10311 ft³ Area = 2864.3 ft²

1/3 OCTAVE CENTER FREQ.	ABSORPTION COEFFICIENT	TOTAL ABSORPTION
(Hz)		(SABINS)
100	0.24852	0.25 15.91
125	0.54928	0.55 35.15
160	0.46234	0.46 29.59
200	0.32374	0.32 20.72
250	0.23102	0.23 14.79
315	0.11310	0.11 7.24
400	0.13713	0.14 8.78
500	0.07810	0.08 5.00
630	0.06554	0.07 4.19
800	0.04833	0.05 3.09
1000	0.04655	0.05 2.98
1250	0.05018	0.05 3.21
1600	0.06035	0.06 3.86
2000	0.08000	0.08 5.12
2500	0.07960	0.08 5.09
3150	0.08994	0.09 5.76
4000	0.12223	0.12 7.82
5000	0.15526	0.16 9.94

SOUND ABSORPTION AVERAGE [SAA] = 0.11

NOISE REDUCTION COEFFICIENT [NRC] = 0.10

SOUND ABSORPTION REPORT
RAL - A02-152



FREQUENCY (Hz)

SAA = 0.11

NRC = 0.10