SCREENFLEX PORTABLE ROOM DIVIDERS SOUND ABSORPTION INFORMATION

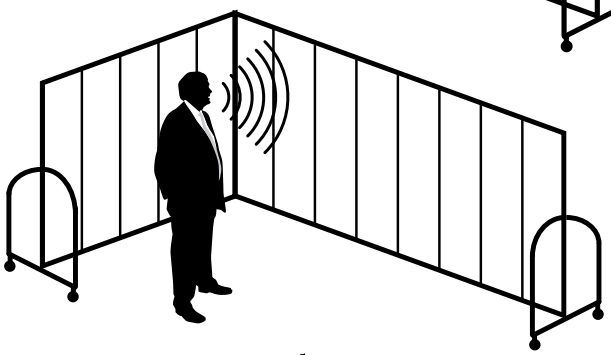
The Noise Reduction Coefficient assigned to Screenflex Portable Room Dividers is: NRC = 45 for a 6'-0" tall divider.

Laboratory sound tests have determined that 6'-0" high Screenflex partitions absorb the following percentage of sound decibel created within the area occupied by the partitions. As the number of 90º partition corners are increased the percentage rate of sound absorption rises as illustrated below.

Sound Absorption

1. Straight Line
Sound Absorption = 45%

2. L Shape One 90º Corner
Sound Absorption = 55%



3. U Shape Two 90º Corners
Sound Absorption = 65%

Note: Sound absorption will obviously INCREASE with dividers taller than 6'-0" and DECREASE with shorter dividers.

Sound tests are conducted using Screenfex 6'-0" high dividers in a chamber with concrete floors, walls, and ceilings. Soft materials in a room like carpet, furniture and drapes will increase the percentage of sound absorbed from that shown. Taller dividers will logically absorb a greater value than the value shown and shorter dividers a lesser value. Also the tests reveal that the dividers absorb the lower frequencies (adult voices) at a greater rate than the high frequencies. Screenflex is not sold or presented as a sound proofing or sound control product. Screenflex products are portable dividers which provide 100% visual control and as an added benefit have some sound absorbing qualities.

Riverbank Acoustical Laboratories (RAL)™ / An Alion Science Technical Center

TEST NUMBER: A07-072 TEST DATE: MAY 24, 2007

CLIENT: ScreenFlex
DESIGNATION: Hinged Acoustical Panels

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

SPECIMEN DATA

1/3 OCTAVE CENTER FREQ. (Hz)	DECAY TIME FOR 60 dB IN SECONDS (Rt)	DECAY RATE (dB/s)	ABSORPTION (SABINS) (w/ANSI Temp./Humid Corrections)	% UNCERTAINTY WITH 95% CONF. LIMITS FOR ABSORP. OF REV. RM.
100	4.199	14.289	120.37	3.03
125	4.784	12.543	105.21	3.54
160	5.132	11.692	97.42	3.52
200	5.449	11.011	90.91	2.34
250	5.419	11.071	90.48	2.64
315	5.315	11.289	91.11	1.80
400	5.196	11.548	91.89	1.54
500	5.024	11.942	93.80	1.39
630	4.946	12.132	93.85	1.10
800	4.725	12.697	96.86	0.93
1000	4.432	13.536	101.97	0.87
1250	3.952	15.182	113.26	0.90
1600	3.596	16.687	121.71	0.73
2000	3.245	18.489	131.04	0.96
2500	2.934	20.450	138.55	0.68
3150	2.724	22.027	137.20	0.64
4000	2.432	24.671	135.46	0.65
5000	2.127	28.210	130.02	0.73

INPUTS:

PULSE PROGRAM TEMPLATE: Reverb_Rm0_Pre.plt	AVERAGING METHOD: Exponential
FREQUENCY RANGE: 100 Hz to 5000 Hz	AVERAGING TIME: 1/32 s
	OUTPUT INTERVAL: 34 ms
Environmental Conditions:	
START: 63°F 67% RH	NUM OF SPECTRA: 200
COMPLETION: 63°F 68% RH	APPROXIMATE DECAY TIME: 6.8 sec
NOTE: ANSI TEMP/HUMID CORRECTIONS USED	NUM OF MEASUREMENTS: 80
MINIMUM # OF POINTS: 28 at 5000 Hz	NUM OF GROUPS: 1
FILE NAME: A07_072_070524_A.doc	DELAY PROCESSING: Delay

Test Conducted by: Marc Sciaky

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

RIVERBANK ACOUSTICAL LABORATORIES

TEST NUMBER: A07-072 TEST DATE: MAY 24, 2007

CLIENT: ScreenFlex
DESIGNATION: Hinged Acoustical Panels
DIMENSIONS: 66.5" x 66" x 0.75"
AREA: 61.0 ft²
WEIGHT: 20.5 lbs AREA WEIGHT: 0.67 lbs/ft²
MOUNTING: K EDGE SEAL: Unsealed
SPECIMEN DETAILS: 3 panels @ 22" x 66.5" x 0.75" fastend together with full length hinge

TEST ROOM DETAILS: Room 0 Volume = 10311 ft³ Area = 2864.3 ft²
FILE NAME: A07_072_070524_A.doc

1/3 OCTAVE CENTER FREQ. (Hz)	ABSORPTION COEFFICIENT	TOTAL ABSORPTION (SABINS)
100	0.17	10.11
125	0.26	15.69
160	0.24	14.94
200	0.24	14.94
250	0.33	19.92
315	0.34	20.46
400	0.37	22.79
500	0.40	24.48
630	0.44	26.92
800	0.47	28.84
1000	0.51	31.39
1250	0.51	31.11
1600	0.58	35.64
2000	0.62	37.53
2500	0.65	39.35
3150	0.69	42.35
4000	0.71	43.22
5000	0.69	42.32

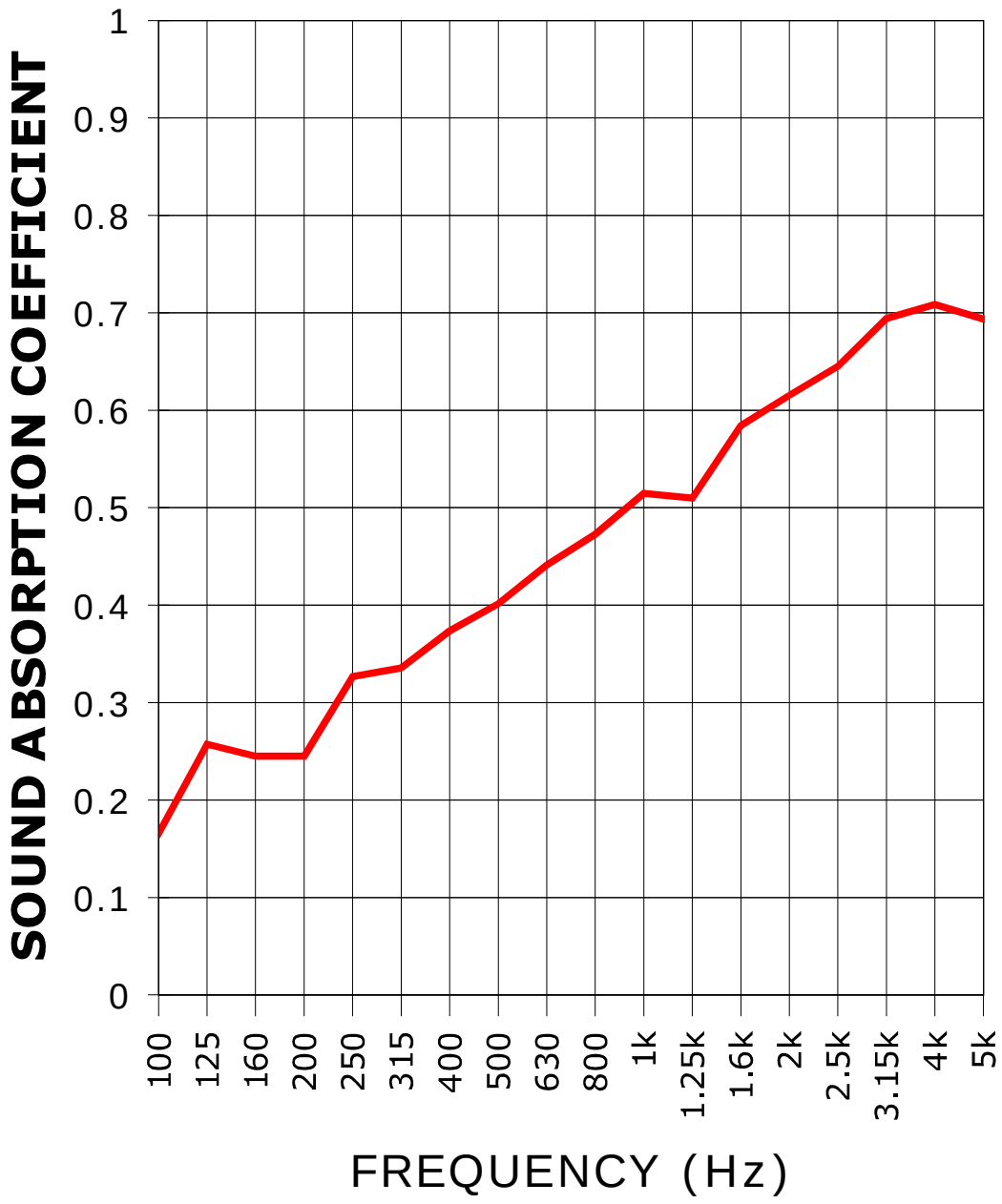
SOUND ABSORPTION AVERAGE [SAA] = 0.46
NOISE REDUCTION COEFFICIENT [NRC] = 0.45

Test Conducted by: Marc Sciaky

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.

RIVERBANK ACOUSTICAL LABORATORIES

SOUND ABSORPTION REPORT
RAL - A07-072



SAA = 0.46
NRC = 0.45