



SOUND ABSORPTION DATA

**Sound Fighter® Systems, LLC - RetroSorb® Sound-Absorbing Panel MW6 Assembly w/Mineral Wool Board,
Quoted Density 96 kg/m3; Type A Mounting; Specimen Plan Area - 6. 7 m2**

Measured Sound Absorption [in units of area] and Sound Absorption Coefficients of the test specimen are reported in one-third-octaves with mid-band frequencies from 100 to 5000 Hz.

One-third Octave Mid-band Frequencies (Hz)	Sound Absorption (m ²)	Notes	Sound Absorption Coefficient	Repeatability* (+/-)	Reproducibility** (+/-)
100	1.73		0.26	0.15	0.27
125	1.59		0.24	0.11	0.22
160	3.16		0.47	0.11	0.23
200	4.39		0.66	0.09	0.17
250	5.56		0.83	0.07	0.15
315	7.05		1.05	0.09	0.22
400	7.54		1.13	0.14	0.16
500	7.99		1.19	0.09	0.14
630	8.19		1.22	0.06	0.14
800	7.95		1.19	0.07	0.14
1000	7.84		1.17	0.06	0.12
1250	7.50		1.12	0.05	0.13
1600	7.44		1.11	0.05	0.14
2000	7.30		1.09	0.05	0.13
2500	7.23		1.08	0.06	0.14
3150	7.10		1.06	0.08	0.15
4000	6.96		1.04	0.11	0.16
5000	6.77		1.01	0.15	0.21
Sound Absorption Average (SAA)			1.07	0.02	0.08
Noise Reduction Coefficient (NRC)			1.05	NA	NA

Notes: [a] due to the very low absorption of the specimen tested, actual absorption values cannot be determined within method repeatability values given. The result for this band should be considered inconclusive.

Repeatability** values are those values below which the absolute difference between two (2) single test results in the same laboratory that are obtained with the same method on identical test material under the same conditions in a Type A Mounting. Values are based on Round Robin testing between 16 laboratories. Repeatability values represent the probability of 95% that single tests lay within this absolute range. *Reproducibility** values are those values below which the absolute difference between two (2) single tests results from different laboratories that are obtained with the same method on identical test material in a Type A Mounting. Values are based on Round Robin testing between 16 laboratories. Reproducibility values represent the probability of 95% that single tests between laboratories lay within this absolute range.