



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 (m²)	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	<i>NA</i>	<i>NA</i>

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.