



SOUND ABSORPTION
ASTM C423

Test Date	06/06/17	
Job No.	H2114.01E	
Client	DFB Sales	
Specimen	Series/Model: 1" thick Quiet-Core Plus, substrate	
Operator	Zachary Golden	
Sample Area	6.69 m ²	
Mounting Type	Type A Mount	
	Empty	Full
Temp °C	21.9	21.6
RH %	51	49
B.P. (mb)	997	

Freq (Hz)	Empty Room Absorption (m ²)	Uncertainty	Full Room Absorption (m ²)	Uncertainty	Absorption Coefficient	Relative Uncertainty
80	4.63	0.482	4.88	0.526	0.04	0.107
100	5.31	0.595	5.72	0.454	0.06	0.112
125	5.01	0.223	5.35	0.297	0.05	0.056
160	4.34	0.274	5.02	0.239	0.10	0.054
200	4.32	0.105	5.45	0.102	0.17	0.022
250	4.80	0.060	6.56	0.039	0.26	0.011
315	5.01	0.064	7.94	0.072	0.44	0.014
400	5.13	0.057	8.93	0.048	0.57	0.011
500	5.11	0.062	9.93	0.270	0.72	0.041
630	4.77	0.051	10.61	0.037	0.87	0.009
800	4.95	0.017	11.29	0.034	0.95	0.006
1000	4.88	0.050	11.52	0.019	0.99	0.008
1250	5.19	0.023	12.03	0.026	1.02	0.005
1600	5.28	0.020	12.20	0.017	1.03	0.004
2000	5.18	0.017	12.01	0.029	1.02	0.005
2500	5.42	0.014	12.76	0.114	1.10	0.017
3150	5.93	0.011	13.00	0.011	1.06	0.002
4000	6.29	0.006	13.38	0.007	1.06	0.001
5000	6.89	0.005	14.10	0.010	1.08	0.002

NRC Rating **0.75** *(Noise Reduction Coefficient)*
SAA Rating **0.76** *(Sound Absorption Average)*

- Notes:
- 1) The NRC rating is the arithmetic average of the sound absorption coefficients at 250, 500, 1000, and 2000 hertz. The average is rounded to the nearest multiple of 0.05.
 - 2) The SAA rating is the arithmetic average of the sound absorption coefficients at the frequencies ranging from 200 to 2500 hertz. The average is rounded to the nearest multiple of 0.01.

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