



**SOUND ABSORPTION**  
ASTM C423

<b>Test Date</b>	06/06/17	
<b>Job No.</b>	H2114.01F	
<b>Client</b>	DFB Sales	
<b>Specimen</b>	Series/Model: 1" thick Quiet-Core Plus, substrate with fabric	
<b>Operator</b>	Zachary Golden	
<b>Sample Area</b>	6.69 m <sup>2</sup>	
<b>Mounting Type</b>	Type A Mount	
	Empty	Full
<b>Temp °C</b>	21.9	22.3
<b>RH %</b>	51	50
<b>B.P. (mb)</b>	997	

Freq (Hz)	Empty Room Absorption (m <sup>2</sup> )	Uncertainty	Full Room Absorption (m <sup>2</sup> )	Uncertainty	Absorption Coefficient	Relative Uncertainty
80	4.63	0.482	4.75	0.501	0.02	0.104
100	5.31	0.595	5.78	0.514	0.07	0.118
125	5.01	0.223	5.47	0.360	0.07	0.063
160	4.34	0.274	5.27	0.183	0.14	0.049
200	4.32	0.105	5.94	0.106	0.24	0.022
250	4.80	0.060	7.39	0.083	0.39	0.015
315	5.01	0.064	9.17	0.044	0.62	0.012
400	5.13	0.057	10.48	0.047	0.80	0.011
500	5.11	0.062	11.31	0.185	0.93	0.029
630	4.77	0.051	11.54	0.028	1.01	0.009
800	4.95	0.017	11.93	0.031	1.04	0.005
1000	4.88	0.050	11.95	0.026	1.06	0.008
1250	5.19	0.023	12.27	0.022	1.06	0.005
1600	5.28	0.020	12.32	0.016	1.05	0.004
2000	5.18	0.017	12.07	0.021	1.03	0.004
2500	5.42	0.014	12.56	0.101	1.07	0.015
3150	5.93	0.011	12.68	0.011	1.01	0.002
4000	6.29	0.006	12.98	0.005	1.00	0.001
5000	6.89	0.005	13.56	0.011	1.00	0.002

**NRC Rating**                    **0.85**                    *(Noise Reduction Coefficient)*  
**SAA Rating**                    **0.86**                    *(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.

**SOUND ABSORPTION**  
ASTM C423

<b>Test Date</b>	06/06/17	
<b>Job No.</b>	H2114.01F	
<b>Client</b>	DFB Sales	
<b>Specimen</b>	Series/Model: 1" thick Quiet-Core Plus, substrate with fabric	
<b>Operator</b>	Zachary Golden	
<b>Sample Area</b>	6.69 m <sup>2</sup>	
<b>Mounting Type</b>	Type A Mount	
	Empty	Full
<b>Temp °C</b>	21.9	22.3
<b>RH %</b>	51	50
<b>B.P. (mb)</b>	997	

