



SOUND ABSORPTION
ASTM C 423

Test Date	08/03/15	
ATI No.	E9775.01H	
Client	Burch Fabrics	
Specimen	Series/Model: Midway Mineral over Owens Corning Type 475-FRK 1" duct board	
Operator	Eric A. Thompson	
Sample Area	6.69 m ²	
Mounting Type	Type A	
	Empty	Full
Temp C	22	22
RH %	51	49
B.P. (mb)	1008	

Freq (Hz)	Empty Room Absorption (m ²)	Uncertainty	Full Room Absorption (m ²)	Uncertainty	Absorption Coefficient	Relative Uncertainty
80	4.34	0.395	4.67	0.349	0.05	0.079
100	4.52	0.351	4.77	0.449	0.04	0.085
125	4.62	0.236	5.00	0.371	0.06	0.066
160	4.13	0.082	4.79	0.160	0.10	0.027
200	4.21	0.124	5.36	0.169	0.17	0.031
250	4.65	0.065	6.23	0.083	0.24	0.016
315	4.91	0.041	7.58	0.040	0.40	0.009
400	5.07	0.046	8.73	0.022	0.55	0.008
500	5.03	0.047	9.74	0.256	0.70	0.039
630	4.58	0.032	10.29	0.023	0.85	0.006
800	4.56	0.032	10.87	0.016	0.94	0.005
1000	4.65	0.020	11.29	0.037	0.99	0.006
1250	5.18	0.030	12.09	0.034	1.03	0.007
1600	5.21	0.008	12.42	0.017	1.08	0.003
2000	5.11	0.014	12.48	0.064	1.10	0.010
2500	5.38	0.008	13.73	0.145	1.25	0.022
3150	6.00	0.010	14.64	0.014	1.29	0.003
4000	6.43	0.004	16.06	0.012	1.44	0.002
5000	7.14	0.012	18.34	0.004	1.67	0.002

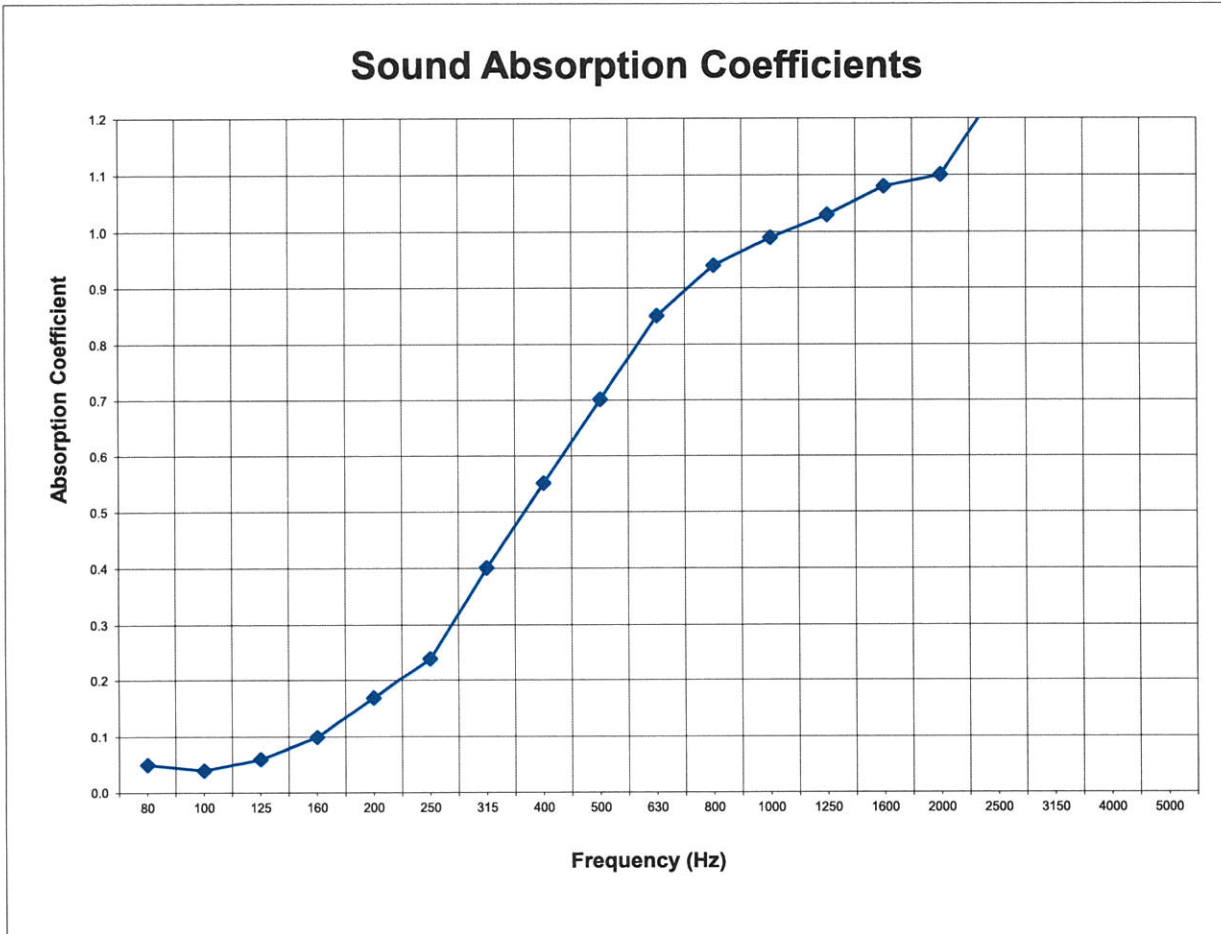
NRC Rating **0.75** *(Noise Reduction Coefficient)*
SAA Rating **0.78** *(Sound Absorption Average)*

- 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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Operator	Eric A. Thompson	
Sample Area	6.69 m ²	
Mounting Type	Type A	
	Empty	Full
Temp C	21.9	22.4
RH %	51	49
B.P. (mb)	1008	





Installed Specimen Midway Mineral