



SOUND ABSORPTION
ASTM C 423

Test Date	08/03/15	
ATI No.	E9775.01B	
Client	Burch Fabrics	
Specimen	Series/Model: Collaborate Moon Rock over Owens Corning Type 475-FRK 1" duct	
Operator	Eric A. Thompson	
Sample Area	6.69 m ²	
Mounting Type	Type A	
	Empty	Full
Temp C	22	22
RH %	51	48
B.P. (mb)	1010	

Freq (Hz)	Empty Room Absorption (m ²)	Uncertainty	Full Room Absorption (m ²)	Uncertainty	Absorption Coefficient	Relative Uncertainty
80	4.34	0.395	4.66	0.376	0.05	0.081
100	4.52	0.351	4.70	0.417	0.03	0.081
125	4.62	0.236	4.95	0.376	0.05	0.066
160	4.13	0.082	4.82	0.137	0.10	0.024
200	4.21	0.124	5.29	0.132	0.16	0.027
250	4.65	0.065	6.31	0.024	0.25	0.010
315	4.91	0.041	7.63	0.043	0.41	0.009
400	5.07	0.046	8.91	0.012	0.57	0.007
500	5.03	0.047	9.87	0.236	0.72	0.036
630	4.58	0.032	10.32	0.046	0.86	0.008
800	4.56	0.032	10.86	0.038	0.94	0.007
1000	4.65	0.020	11.36	0.019	1.00	0.004
1250	5.18	0.030	12.17	0.015	1.04	0.005
1600	5.21	0.008	12.46	0.007	1.08	0.002
2000	5.11	0.014	12.42	0.041	1.09	0.006
2500	5.38	0.008	13.46	0.133	1.21	0.020
3150	6.00	0.010	14.10	0.008	1.21	0.002
4000	6.43	0.004	15.08	0.007	1.29	0.001
5000	7.14	0.012	16.68	0.010	1.43	0.002

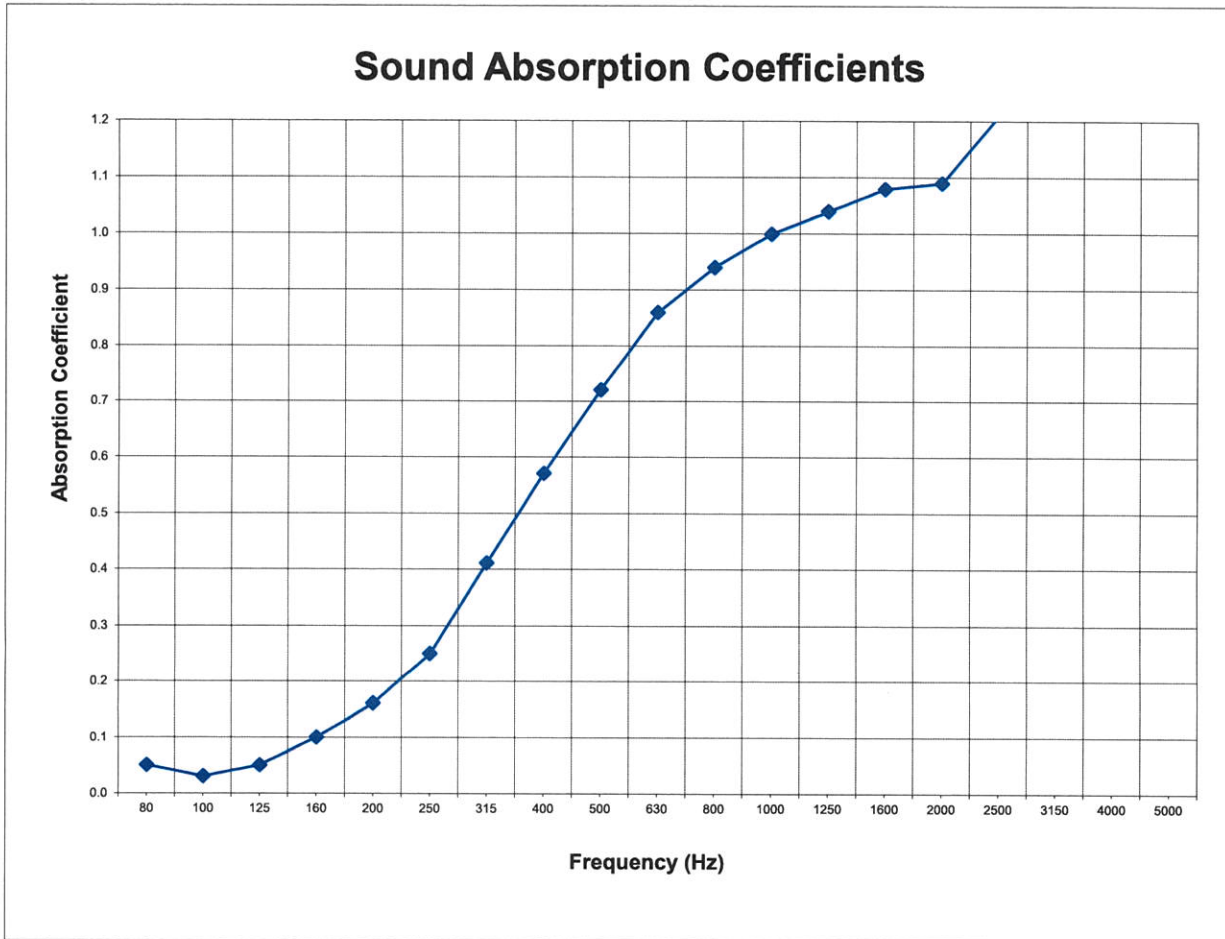
NRC Rating **0.75** *(Noise Reduction Coefficient)*
SAA Rating **0.78** *(Sound Absorption Average)*

- 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	48
B.P. (mb)	1010	





Installed Specimen Century Dew