



SOUND ABSORPTION
ASTM C 423

Test Date	08/03/15	
ATI No.	E9775.01A	
Client	Burch Fabrics	
Specimen	Series/Model: Traction Chrome 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)	1010	

Freq (Hz)	Empty Room Absorption (m ²)	Uncertainty	Full Room Absorption (m ²)	Uncertainty	Absorption Coefficient	Relative Uncertainty
80	4.34	0.395	4.63	0.398	0.04	0.084
100	4.52	0.351	4.74	0.374	0.03	0.077
125	4.62	0.236	5.01	0.310	0.06	0.058
160	4.13	0.082	4.79	0.212	0.10	0.034
200	4.21	0.124	5.31	0.111	0.17	0.025
250	4.65	0.065	6.33	0.077	0.25	0.015
315	4.91	0.041	7.65	0.036	0.41	0.008
400	5.07	0.046	8.95	0.033	0.58	0.009
500	5.03	0.047	9.99	0.259	0.74	0.039
630	4.58	0.032	10.54	0.030	0.89	0.007
800	4.56	0.032	11.02	0.027	0.96	0.006
1000	4.65	0.020	11.48	0.027	1.02	0.005
1250	5.18	0.030	12.21	0.027	1.05	0.006
1600	5.21	0.008	12.34	0.008	1.07	0.002
2000	5.11	0.014	12.22	0.038	1.06	0.006
2500	5.38	0.008	12.97	0.122	1.13	0.018
3150	6.00	0.010	13.37	0.013	1.10	0.002
4000	6.43	0.004	13.94	0.009	1.12	0.001
5000	7.14	0.012	15.07	0.007	1.19	0.002

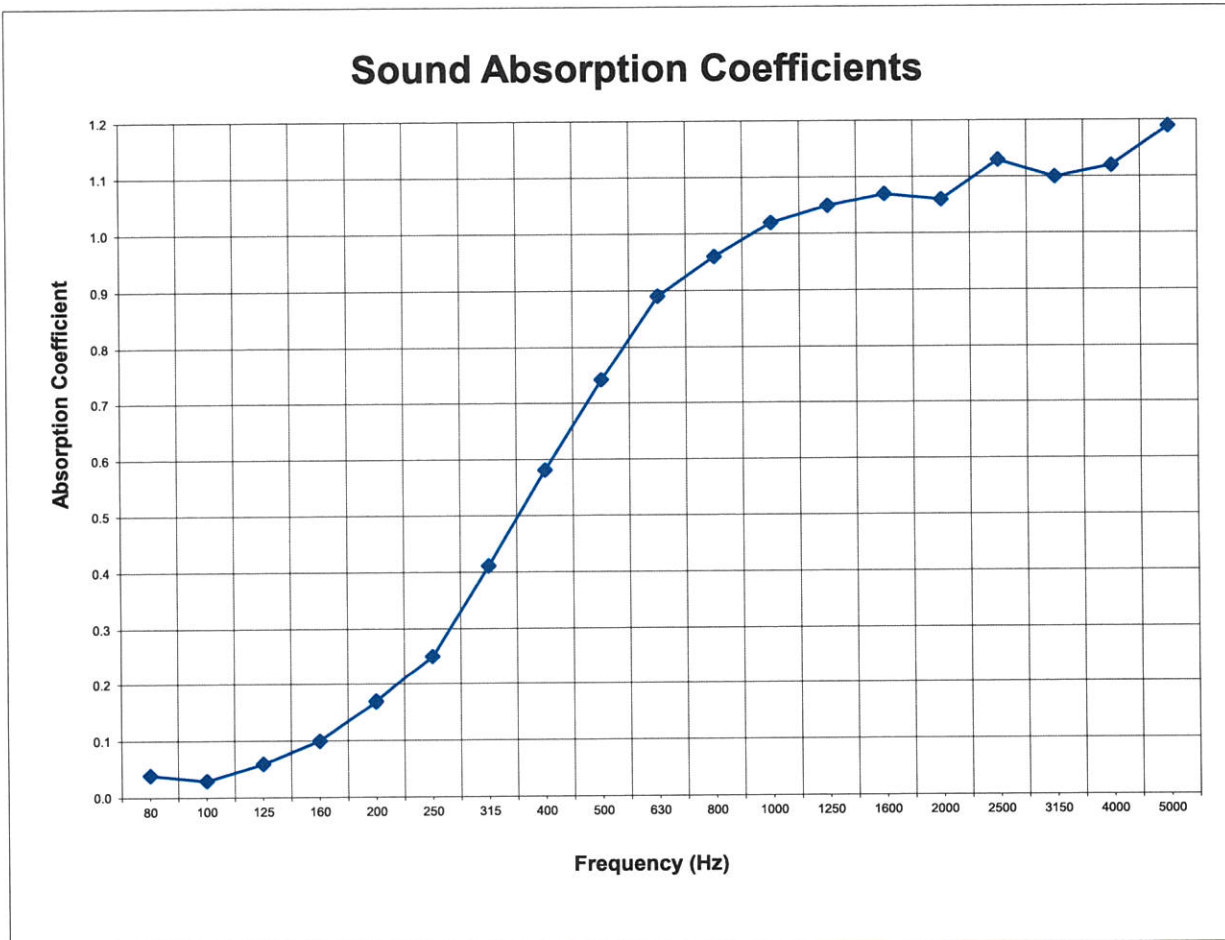
NRC Rating **0.75** *(Noise Reduction Coefficient)*
SAA Rating **0.78** *(Sound Absorption Average)*

- 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	21.8
RH %	51	49
B.P. (mb)	1010	



Appendix C



Installed Specimen Traction Chrome