



SOUND ABSORPTION
ASTM C 423

Test Date	08/03/15	
ATI No.	E9775.011	
Client	Burch Fabrics	
Specimen	Series/Model: Dayton Straw 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	4.57	0.449	0.03	0.089
100	4.52	0.351	4.61	0.566	0.01	0.100
125	4.62	0.236	5.02	0.311	0.06	0.058
160	4.13	0.082	4.70	0.276	0.08	0.043
200	4.21	0.124	5.24	0.181	0.15	0.033
250	4.65	0.065	6.14	0.126	0.22	0.021
315	4.91	0.041	7.40	0.045	0.37	0.009
400	5.07	0.046	8.59	0.060	0.53	0.011
500	5.03	0.047	9.53	0.292	0.67	0.044
630	4.58	0.032	10.15	0.034	0.83	0.007
800	4.56	0.032	10.65	0.015	0.91	0.005
1000	4.65	0.020	11.12	0.021	0.97	0.004
1250	5.18	0.030	11.88	0.025	1.00	0.006
1600	5.21	0.008	12.14	0.008	1.04	0.002
2000	5.11	0.014	12.04	0.043	1.04	0.007
2500	5.38	0.008	13.20	0.129	1.17	0.019
3150	6.00	0.010	13.78	0.006	1.16	0.002
4000	6.43	0.004	14.87	0.009	1.26	0.001
5000	7.14	0.012	16.48	0.003	1.40	0.002

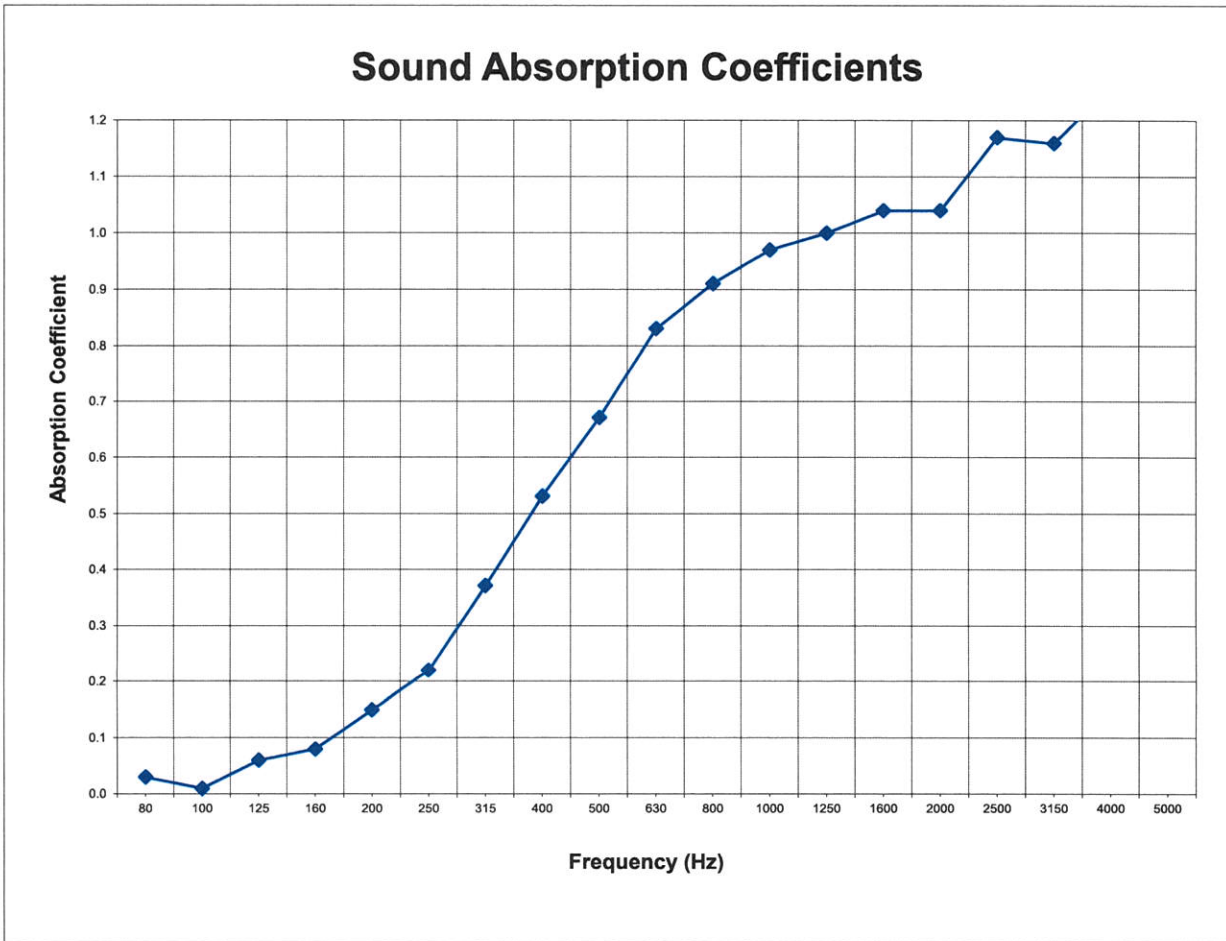
NRC Rating **0.75** *(Noise Reduction Coefficient)*
SAA Rating **0.74** *(Sound Absorption Average)*

- 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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Specimen	Series/Model: Dayton Straw 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	21.9	22.4
RH %	51	49
B.P. (mb)	1008	





Installed Specimen Dayton Straw