



SOUND ABSORPTION
ASTM C 423

Test Date	08/03/15	
ATI No.	E9775.01E	
Client	Burch Fabrics	
Specimen	Series/Model: Collective Pearl 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	4.66	0.438	0.05	0.088
100	4.52	0.351	4.84	0.280	0.05	0.067
125	4.62	0.236	4.99	0.297	0.06	0.057
160	4.13	0.082	4.81	0.218	0.10	0.035
200	4.21	0.124	5.29	0.141	0.16	0.028
250	4.65	0.065	6.37	0.051	0.26	0.012
315	4.91	0.041	7.62	0.047	0.41	0.009
400	5.07	0.046	8.96	0.025	0.58	0.008
500	5.03	0.047	9.96	0.262	0.74	0.040
630	4.58	0.032	10.50	0.024	0.88	0.006
800	4.56	0.032	11.03	0.024	0.97	0.006
1000	4.65	0.020	11.46	0.011	1.02	0.003
1250	5.18	0.030	12.21	0.019	1.05	0.005
1600	5.21	0.008	12.40	0.020	1.07	0.003
2000	5.11	0.014	12.33	0.040	1.08	0.006
2500	5.38	0.008	13.16	0.121	1.16	0.018
3150	6.00	0.010	13.62	0.011	1.14	0.002
4000	6.43	0.004	14.50	0.008	1.21	0.001
5000	7.14	0.012	15.85	0.006	1.30	0.002

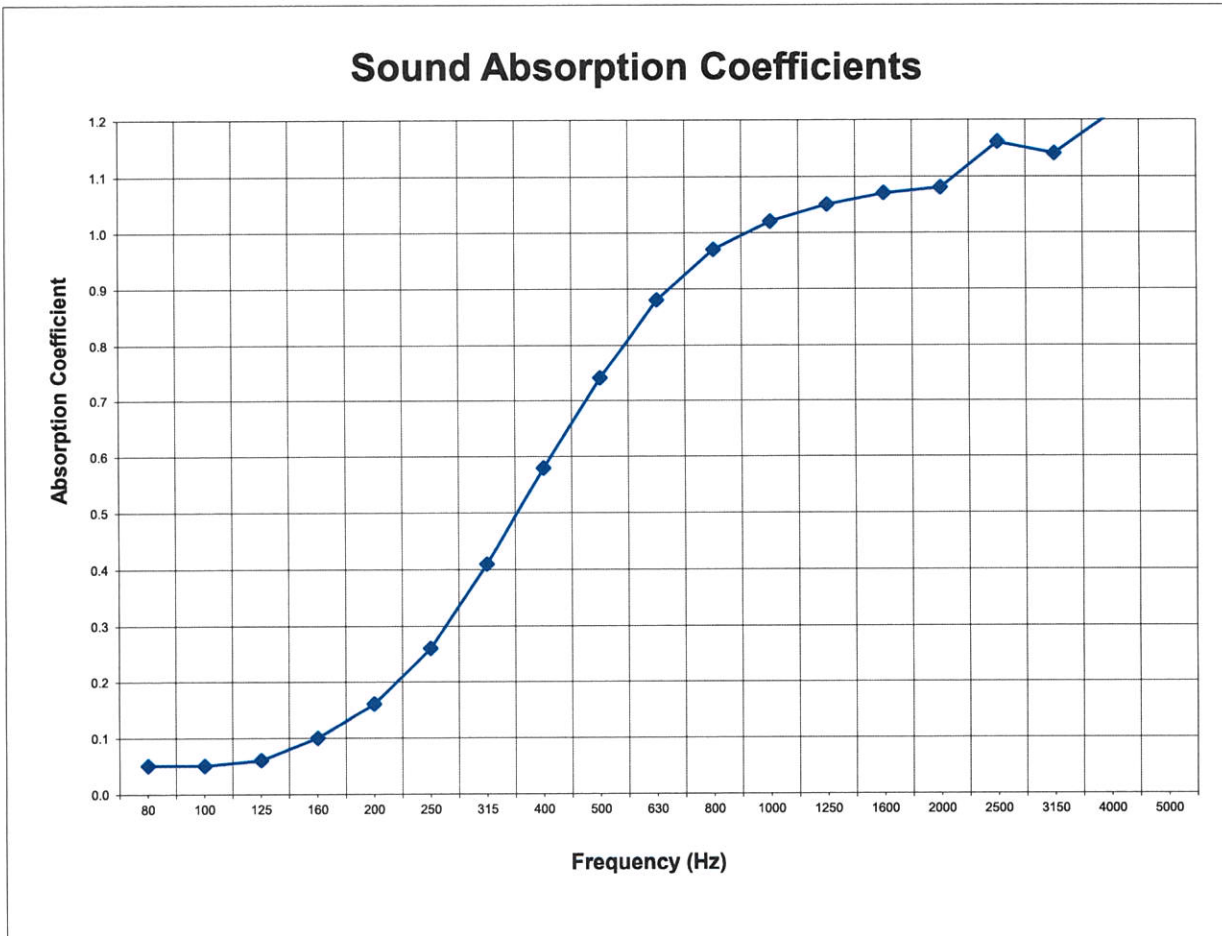
NRC Rating **0.80** *(Noise Reduction Coefficient)*
SAA Rating **0.78** *(Sound Absorption Average)*

- 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.



SOUND ABSORPTION
ASTM C 423

Test Date	08/03/15	
ATI No.	E9775.01E	
Client	Burch Fabrics	
Specimen	Series/Model: Collective Pearl 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	21.8
RH %	51	49
B.P. (mb)	1010	





Installed Specimen Collective Pearl