Unofficial Test Results & Preliminary Data Sheet

Riverbank Acoustical Laboratories (RAL)™

Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method ASTM C423

Test Number: A22-451 Test Date: 2022-10-18

Sponsor: Rusher Products LLC

Designation: Colorado Perforated Acoustical Metal Ceiling Tiles with Sound Board Backing

Dimensions: 2.72 m x 2.41 m x 0.03 m Test Conducted By: Marc Sciaky

Area: 6.56 m² Test Interface: 1.3.3

Weight 19.05 kg Area Weight: 2.90 kg/m²

Mounting: E-400-Mount Edge Seal: Steel Seal

Specimen Details: 16 tiles 23.75"x23.75"x1.2705" and 4 tiles 12"x23.75"x1.2705"

Test Room Details: Room 0 Volume: 291.98 m³ Area: 266.10 m²

1/3 Octave Band Center Frequency (Hz)	TOTAL ABSORPTION SABINS (ft^2)	TOTAL ABSORPTION m^2	Absorption Coefficient
31.5	18.64	1.73	0.26
40	13.75	1.28	0.19
50	34.69	3.22	0.49
63	29.77	2.77	0.42
80	18.45	1.71	0.26
100	58.08	5.40	0.82
125	53.03	4.93	0.75
160	50.26	4.67	0.71
200	60.88	5.66	0.86
250	61.67	5.73	0.87
315	56.11	5.21	0.79
400	50.31	4.67	0.71
500	46.83	4.35	0.66
630	55.27	5.13	0.78
800	60.88	5.66	0.86
1000	61.12	5.68	0.87
1250	64.71	6.01	0.92
1600	66.08	6.14	0.94
2000	62.90	5.84	0.89
2500	64.49	5.99	0.91
3150	66.94	6.22	0.95
4000	66.72	6.20	0.95
5000	64.19	5.96	0.91
6300	62.92	5.85	0.89
8000	53.90	5.01	0.76
10000	45.68	4.24	0.65
12500	32.54	3.02	0.46

SOUND ABSORPTION AVERAGE [SAA] = 0.84 0.84

NOISE REDUCTION COEFFICIENT [NRC] = 0.80 0.8

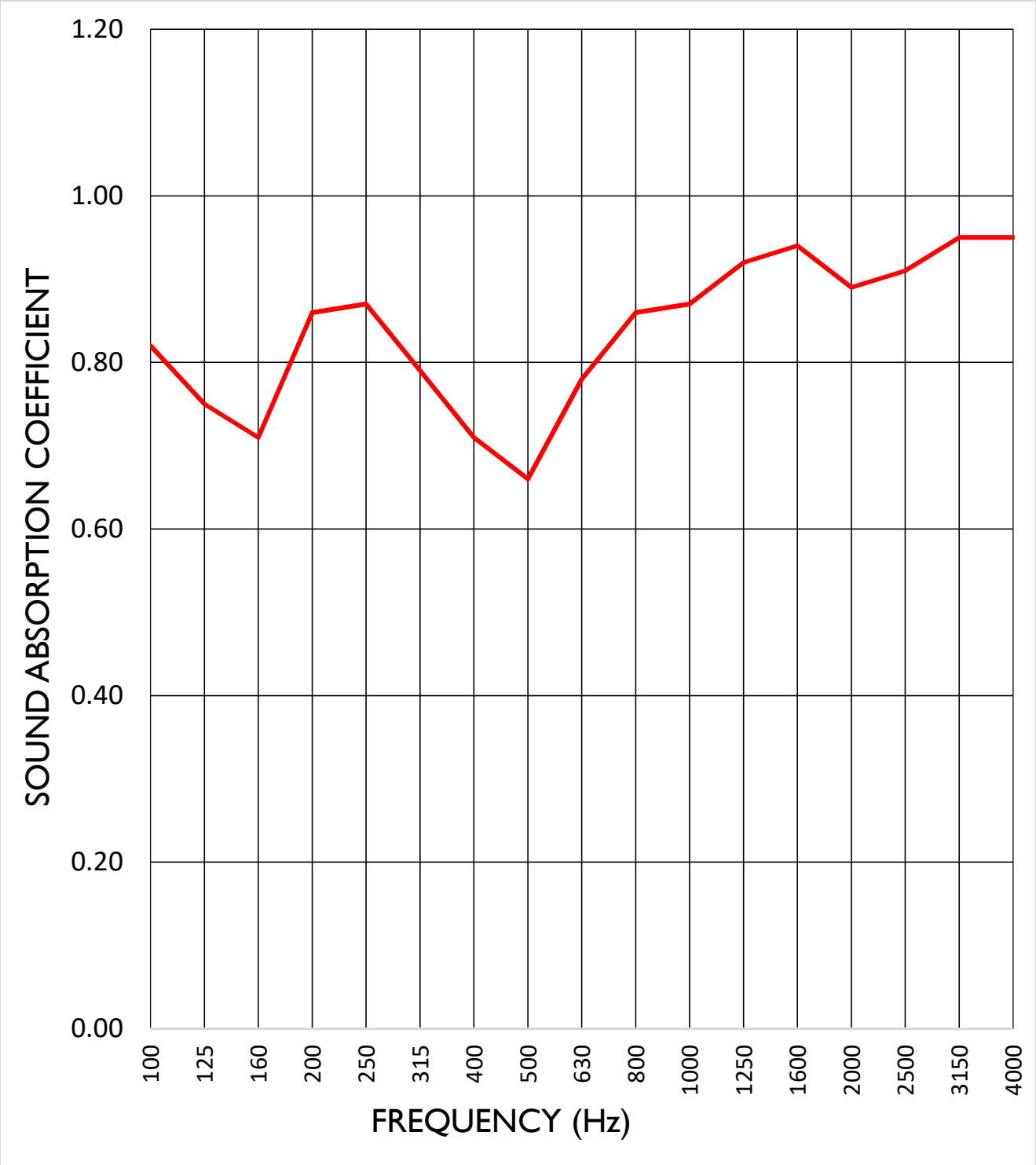
Calculation Date: 2022-10-18

Calculated By: Marc Sciaky

This single report page and accompanying graph contain the instantaneous raw data as provided to the client after testing of the specimen. This data, although accurate, is incomplete without the full specimen description, mounting details and signature pages. The full report referenced by the RAL test number above should be consulted for further information regarding these results.

Sound Absorption Results

A22-451



SAA =	**0.84**	0.84
NRC =	**0.80**	0.8