

Unofficial Test Results & Preliminary Data Sheet

Page 1 of 2

Riverbank Acoustical Laboratories (RAL)™

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

Test Number: A25-073

Test Date: 2025-02-17

Sponsor: MCM Acoustical

Designation: Microperforated Sandwich Panel

Dimensions: 2.74 m x 2.44 m x 0.04 m

Test Conducted By: Marc Sciaky

Area: 6.69 m²

Test Interface: 1.3.3

Weight 89.70 kg

Area Weight: 13.41 kg/m²

Mounting: F-Mount

Edge Seal: Steel-Tape Seal

Specimen Details: F-25 Mount, Panels are placed on 1" wood spacers. 4 panels 54"x48"x1.4155"

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	2.22	0.21	0.03
40	-1.53	-0.14	-0.02
50	-21.40	-1.99	-0.30
63	0.08	0.01	0.00
80	2.89	0.27	0.04
100	23.64	2.20	0.33
125	16.33	1.52	0.23
160	19.49	1.81	0.27
200	31.85	2.96	0.44
250	41.95	3.90	0.58
315	58.81	5.46	0.82
400	68.08	6.33	0.95
500	74.60	6.93	1.04
630	71.97	6.69	1.00
800	65.17	6.05	0.91
1000	60.22	5.59	0.84
1250	59.58	5.54	0.83
1600	55.47	5.15	0.77
2000	50.74	4.71	0.70
2500	47.18	4.38	0.66
3150	47.74	4.44	0.66
4000	41.56	3.86	0.58
5000	31.97	2.97	0.44
6300	23.40	2.17	0.32
8000	14.97	1.39	0.21
10000	8.31	0.77	0.12
12500	3.66	0.34	0.05

SOUND ABSORPTION AVERAGE [SAA] = 0.8 0.80
NOISE REDUCTION COEFFICIENT [NRC] = 0.80 0.8

Calculation Date: 2025-02-17

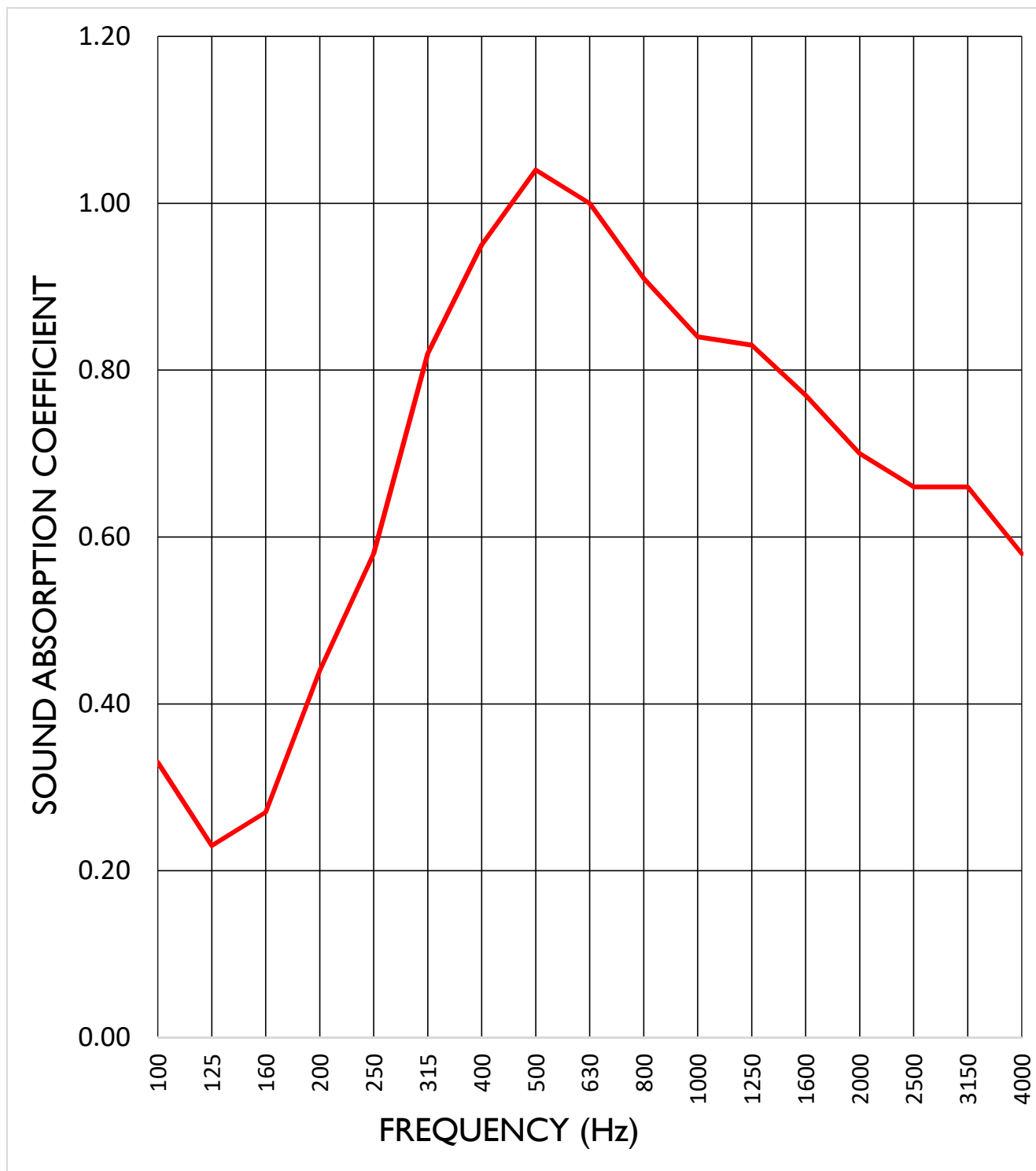
Calculated By: Marc Sciaky

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

A25-073



SAA = 0.8 0.80
NRC = 0.80 0.8