

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: A20-185

Test Date: 2020-05-19

Sponsor: GIK Acoustics, LLC

Designation: 4 inch Spot Panel

Dimensions: 2.41 m x 2.43 m x 0.10 m

Test Conducted By: Marc Sciaky

Area: 5.85 m²

Test Interface: 1.3.3

Weight 46.49 kg

Area Weight: 7.94 kg/m²

Mounting: A-Mount

Edge Seal: Steel-Wood

Specimen Details: 8@23.75"x47.75"x4.031"

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	3.74	0.35	0.06
40	-4.06	-0.38	-0.06
50	12.34	1.15	0.20
63	19.41	1.80	0.31
80	22.70	2.11	0.36
100	39.67	3.69	0.63
125	56.54	5.25	0.90
160	60.38	5.61	0.96
200	73.42	6.82	1.17
250	75.76	7.04	1.20
315	79.70	7.40	1.27
400	84.12	7.81	1.34
500	79.41	7.38	1.26
630	75.56	7.02	1.20
800	72.59	6.74	1.15
1000	73.11	6.79	1.16
1250	73.81	6.86	1.17
1600	71.19	6.61	1.13
2000	71.51	6.64	1.14
2500	69.32	6.44	1.10
3150	68.11	6.33	1.08
4000	67.81	6.30	1.08
5000	67.02	6.23	1.06
6300	69.00	6.41	1.10
8000	66.42	6.17	1.05
10000	65.63	6.10	1.04
12500	70.44	6.54	1.12

SOUND ABSORPTION AVERAGE [SAA] = 1.19 1.19
NOISE REDUCTION COEFFICIENT [NRC] = 1.20 1.2

Calculation Date: 2020-05-19

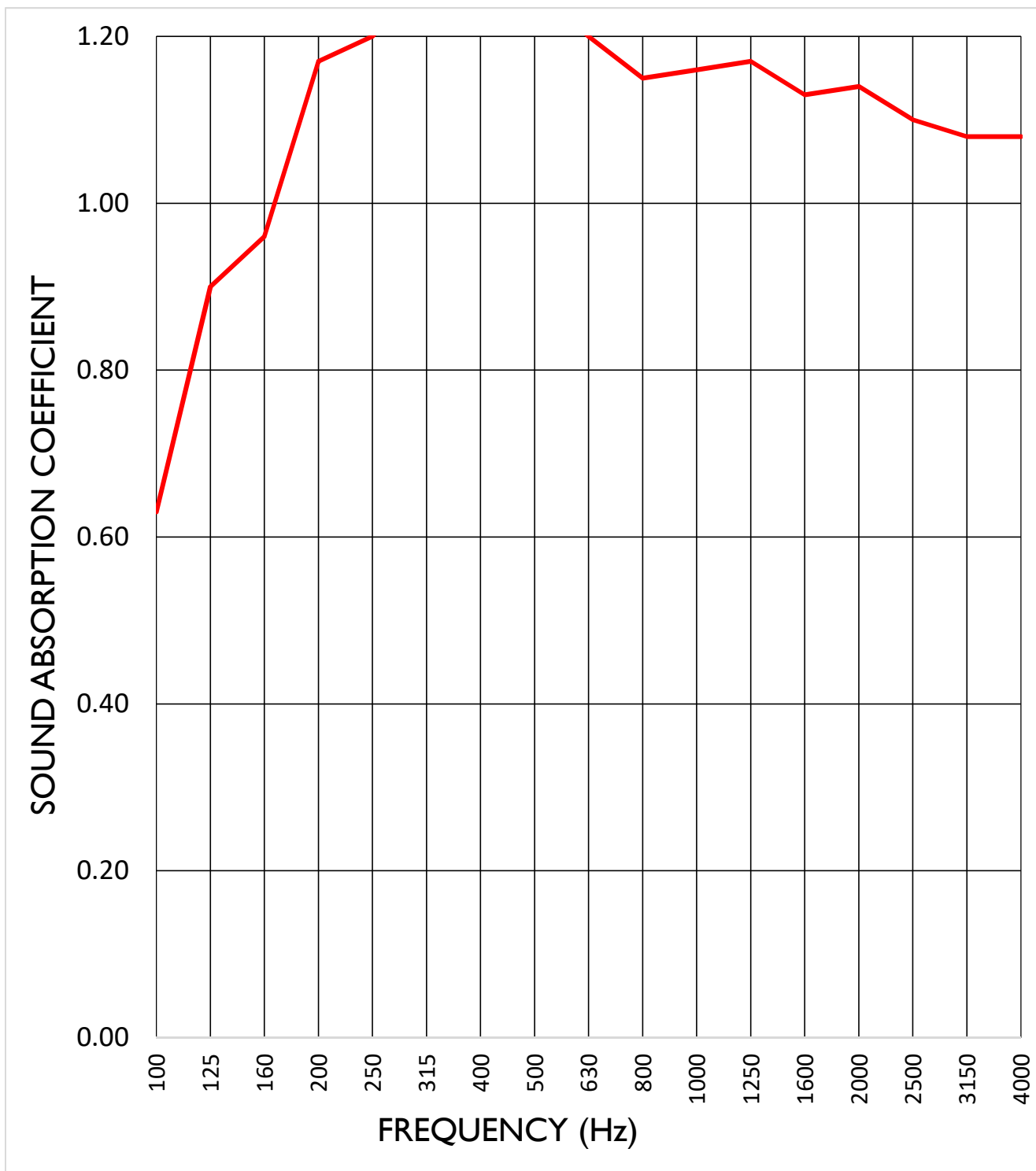
Calculated By: Marc Sciaky

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

A20-185



SAA = 1.19 1.19

NRC = 1.20 1.2

Unofficial Test Results & Preliminary Data Sheet

Riverbank Acoustical Laboratories (RAL)™ / An Alion Science Technical Center

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

Test Number: A20-187

Test Date: 2020-05-19

Sponsor: GIK Acoustics, LLC

Designation: 4 inch Spot Panel

Dimensions: 0.60 m x 1.21 m x 0.10 m

Test Conducted By: Marc Sciaky

Area: 0.73 m²

Test Interface: 1.3.3

Weight 5.81 kg

Area Weight: 7.94 kg/m²

Mounting: J-Mount

Edge Seal: No seal is used

Specimen Details 8@23.75"x47.75"x4.031" each panel is evenly spaced around the chamber's floor-wall corners.

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 PER OBJECT m ²
31.5	5.77	0.54	0.07
40	12.17	1.13	0.14
50	6.83	0.63	0.08
63	23.79	2.21	0.28
80	63.55	5.90	0.74
100	83.16	7.73	0.97
125	138.59	12.88	1.61
160	124.25	11.54	1.44
200	124.25	11.54	1.44
250	124.92	11.61	1.45
315	121.34	11.27	1.41
400	120.45	11.19	1.40
500	110.00	10.22	1.28
630	107.52	9.99	1.25
800	98.19	9.12	1.14
1000	91.68	8.52	1.06
1250	87.87	8.16	1.02
1600	87.19	8.10	1.01
2000	84.27	7.83	0.98
2500	86.28	8.02	1.00
3150	83.76	7.78	0.97
4000	81.61	7.58	0.95
5000	81.52	7.57	0.95
6300	82.55	7.67	0.96
8000	81.05	7.53	0.94
10000	78.69	7.31	0.91
12500	87.97	8.17	1.02

Calculation Date: 2020-05-19

Calculated By: Marc Sciaky

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Sound Absorption Results
4 inch Spot Panel

A20-187

