

Unofficial Test Results & Preliminary Data Sheet

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

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

Test Number: A25-250

Test Date: 2025-05-01

Sponsor: Pinnacle Architectural Lighting

Designation: Fina Acoustic DRUM - MEDIUM

Dimensions: 1.18 m x 1.18 m x 0.53 m

Test Conducted By: Marc Sciaky

Area: 1.39 m²

Test Interface: 1.3.3

Weight: 27.10 kg

Area Weight: 19.53 kg/m²

Mounting: J-Mount

Edge Seal: No seal is used

Specimen Details J-mounting an array of sound absorbing units. 2 units 46.375" diameter x 21" tall 1 row 2 units in row units spaced 20" apart, placed on cables suspended 60", bottom edge of units are 58.75" from the test surface.

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	3.87	0.36	0.18
40	6.47	0.60	0.30
50	-6.43	-0.60	-0.30
63	9.60	0.89	0.45
80	18.12	1.68	0.84
100	31.79	2.95	1.48
125	26.12	2.43	1.21
160	36.82	3.42	1.71
200	41.79	3.88	1.94
250	38.40	3.57	1.78
315	44.28	4.11	2.06
400	48.70	4.52	2.26
500	55.20	5.13	2.56
630	60.10	5.58	2.79
800	65.34	6.07	3.03
1000	68.53	6.37	3.18
1250	74.17	6.89	3.45
1600	76.06	7.07	3.53
2000	78.76	7.32	3.66
2500	80.96	7.52	3.76
3150	82.81	7.69	3.85
4000	83.85	7.79	3.89
5000	85.51	7.94	3.97
6300	87.66	8.14	4.07
8000	87.50	8.13	4.06
10000	92.47	8.59	4.30
12500	90.46	8.40	4.20

Calculation Date: 2025-05-01

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
Fina Acoustic DRUM - MEDIUM

A25-250

