

Unofficial Test Results & Preliminary Data Sheet

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

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

Test Number: A25-249

Test Date: 2025-05-01

Sponsor: Pinnacle Architectural Lighting

Designation: Fina Acoustic FLORES - SMALL

Dimensions: 0.84 m x 0.84 m x 0.38 m

Area: 0.70 m²

Weight 9.19 kg

Mounting: J-Mount

Test Conducted By: Marc Sciaky

Test Interface: 1.3.3

Area Weight: 13.17 kg/m²

Edge Seal: No seal is used

Specimen Details J-mounting an array of sound absorbing units. 6 units 32.875" diameter x 15" tall 2 rows spaced 48" apart. 3 units in each row units spaced 35" apart, placed on cables suspended 60", bottom edge of units are 53" 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	-3.15	-0.29	-0.05
40	-4.00	-0.37	-0.06
50	-11.64	-1.08	-0.18
63	4.61	0.43	0.07
80	2.84	0.26	0.04
100	16.09	1.50	0.25
125	8.20	0.76	0.13
160	15.09	1.40	0.23
200	21.67	2.01	0.34
250	33.20	3.08	0.51
315	33.17	3.08	0.51
400	40.13	3.73	0.62
500	56.18	5.22	0.87
630	66.30	6.16	1.03
800	69.21	6.43	1.07
1000	73.04	6.79	1.13
1250	77.80	7.23	1.20
1600	80.83	7.51	1.25
2000	84.26	7.83	1.30
2500	88.78	8.25	1.37
3150	89.81	8.34	1.39
4000	90.27	8.39	1.40
5000	92.53	8.60	1.43
6300	94.40	8.77	1.46
8000	91.65	8.51	1.42
10000	95.17	8.84	1.47
12500	90.73	8.43	1.40

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
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