

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: A25-246

Test Date: 2025-04-30

Sponsor: Pinnacle Architectural Lighting Fina

Designation: Acoustic FLORES - MEDIUM

Dimensions: 1.04 m x 1.04 m x 0.51 m

Test Conducted By: Marc Sciaky

Area: 1.08 m²

Test Interface: 1.3.3

Weight 12.97 kg

Area Weight: 11.96 kg/m²

Mounting: J-Mount

Edge Seal: No seal is used

Specimen Details J-mount an array of sound absorbing units. 3 units 41" in Dia.x20.25" 1 row of 3 units

spaced 22.5" apart, placed on cables suspended 60", bottom edge of units are 57.75" 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	3.85	0.36	0.12
40	8.47	0.79	0.26
50	13.68	1.27	0.42
63	3.34	0.31	0.10
80	9.66	0.90	0.30
100	1.96	0.18	0.06
125	8.08	0.75	0.25
160	16.58	1.54	0.51
200	24.17	2.25	0.75
250	28.02	2.60	0.87
315	37.79	3.51	1.17
400	43.74	4.06	1.35
500	54.99	5.11	1.70
630	55.59	5.16	1.72
800	57.86	5.38	1.79
1000	62.26	5.78	1.93
1250	63.07	5.86	1.95
1600	67.12	6.24	2.08
2000	70.23	6.52	2.17
2500	72.58	6.74	2.25
3150	74.49	6.92	2.31
4000	73.81	6.86	2.29
5000	73.69	6.85	2.28
6300	75.30	7.00	2.33
8000	73.74	6.85	2.28
10000	73.20	6.80	2.27
12500	76.51	7.11	2.37

Calculation Date: 2025-04-30

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 FLORES - MEDIUM

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