

Unofficial Test Results & Preliminary Data Sheet

Page 1 of 2

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

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

Test Number: A25-251

Test Date: 2025-05-02

Sponsor: Pinnacle Architectural Lighting

Designation: Fina Acoustic FLORES - LARGE

Dimensions: 1.60 m x 1.60 m x 0.77 m

Test Conducted By: Marc Sciaky

Area: 2.55 m²

Test Interface: 1.3.3

Weight 31.41 kg

Area Weight: 12.32 kg/m²

Mounting: J-Mount

Edge Seal: No seal is used

Specimen Details J-mounting an array of sound absorbing units. 2 units 62.875" diameter x 30.125" tall 1 row 2 units in row units spaced 42.25" apart, placed on cables suspended 60", bottom edge of units are 57" 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	15.15	1.41	0.70
40	6.20	0.58	0.29
50	-3.68	-0.34	-0.17
63	11.05	1.03	0.51
80	27.59	2.56	1.28
100	21.67	2.01	1.01
125	25.82	2.40	1.20
160	36.41	3.38	1.69
200	46.37	4.31	2.15
250	54.91	5.10	2.55
315	70.41	6.54	3.27
400	76.75	7.13	3.57
500	82.77	7.69	3.84
630	83.59	7.77	3.88
800	82.32	7.65	3.82
1000	88.26	8.20	4.10
1250	91.80	8.53	4.26
1600	96.52	8.97	4.48
2000	101.57	9.44	4.72
2500	105.82	9.83	4.92
3150	105.25	9.78	4.89
4000	107.63	10.00	5.00
5000	107.78	10.01	5.01
6300	109.34	10.16	5.08
8000	110.73	10.29	5.14
10000	109.97	10.22	5.11
12500	108.78	10.11	5.05

Calculation Date: 2025-05-02

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 - LARGE

Page 2 of 2

A25-251

