

Unofficial Test Results & Preliminary Data Sheet

Page 1 of 2

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: A25-252

Test Date: 2025-05-02

Sponsor: Pinnacle Architectural Lighting

Designation: Fina Acoustic DRUM - LARGE

Dimensions: 1.60 m x 1.60 m x 0.71 m

Test Conducted By: Marc Sciaky

Area: 2.56 m²

Test Interface: 1.3.3

Weight 46.21 kg

Area Weight: 18.05 kg/m²

Mounting: J-Mount

Edge Seal: No seal is used

Specimen Details J-mounting an array of sound absorbing units. 2 units 63" diameter x 28" tall 1 row 2 units in row units spaced 42" 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	30.32	2.82	1.41
40	-0.24	-0.02	-0.01
50	3.92	0.36	0.18
63	28.39	2.64	1.32
80	47.09	4.38	2.19
100	49.71	4.62	2.31
125	40.39	3.75	1.88
160	57.36	5.33	2.66
200	70.79	6.58	3.29
250	77.03	7.16	3.58
315	82.59	7.67	3.84
400	86.48	8.03	4.02
500	96.67	8.98	4.49
630	103.35	9.60	4.80
800	111.00	10.31	5.16
1000	120.83	11.23	5.61
1250	129.79	12.06	6.03
1600	133.83	12.43	6.22
2000	140.12	13.02	6.51
2500	143.83	13.36	6.68
3150	142.25	13.22	6.61
4000	146.07	13.57	6.79
5000	149.98	13.93	6.97
6300	151.76	14.10	7.05
8000	158.81	14.75	7.38
10000	153.55	14.27	7.13
12500	156.54	14.54	7.27

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 DRUM - LARGE

Page 2 of 2

A25-252

