

## Unofficial Test Results & Preliminary Data Sheet

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

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

Test Number: A25-245

Test Date: 2025-04-30

Sponsor: Pinnacle Architectural Lighting Fina

Designation: Acoustic DRUM - SMALL

Dimensions: 0.80 m x 0.80 m x 0.36 m

Test Conducted By: Marc Sciaky

Area: 0.64 m<sup>2</sup>

Test Interface: 1.3.3

Weight 12.08 kg

Area Weight: 19.02 kg/m<sup>2</sup>

Mounting: J-Mount

Edge Seal: No seal is used

Specimen Details J-mount an array of sound absorbing units. 6 units 31.375" in Dia.x14" 2 Rows spaced 48" apart 3 units per row each unit spaced 37" apart, placed on cables suspended 60", bottom edge of units are 59" from the test surface.

Test Room Details: Room 0

Volume: 291.98 m<sup>3</sup>

Area: 266.10 m<sup>2</sup>

1/3 Octave Band Center Frequency (Hz)	TOTAL ABSORPTION SABINS (ft <sup>2</sup> )	TOTAL ABSORPTION m <sup>2</sup>	ABSORPTION PER OBJECT m <sup>2</sup>
31.5	10.42	0.97	0.16
40	-1.11	-0.10	-0.02
50	-3.25	-0.30	-0.05
63	8.80	0.82	0.14
80	20.25	1.88	0.31
100	20.03	1.86	0.31
125	25.82	2.40	0.40
160	44.40	4.12	0.69
200	56.45	5.24	0.87
250	50.16	4.66	0.78
315	57.38	5.33	0.89
400	68.18	6.33	1.06
500	81.01	7.53	1.25
630	84.32	7.83	1.31
800	93.15	8.65	1.44
1000	102.42	9.52	1.59
1250	102.45	9.52	1.59
1600	108.56	10.09	1.68
2000	113.18	10.51	1.75
2500	116.65	10.84	1.81
3150	117.58	10.92	1.82
4000	118.91	11.05	1.84
5000	121.03	11.24	1.87
6300	126.18	11.72	1.95
8000	127.13	11.81	1.97
10000	131.76	12.24	2.04
12500	142.12	13.20	2.20

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

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