

Acoustical Testing Laboratory



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TEST REPORT

for

Rose Brand® Wipers, Inc.

4 Emerson Lane Secaucus, NJ 07094 Joe Leduc / 201-809-1730

Sound Absorption Testing

ASTM C 423-23/ E795-23

On

Athena 23oz - 0% Fullness
Type G Mounting

Report Number: NGC 4024031

Assignment Number: G-1941

Test Date: 10/07/2024

Report Approval Date: 10/09/2024

Submitted by:

Anthony J. Rivers
Acoustical Test Engineer

Reviewed by:

Michael J. Rizzo General Manager

The results reported above apply to specific samples submitted for measurement. No responsibility is assumed for performance of any other specimen. The laboratory's accreditation or any of its test reports in no way constitute or imply product certification, approval, or endorsement by NVLAP, NIST or any agency of the Federal Government. This report may not be reproduced except in full, without written approval of the laboratory.



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Revision Summary:

Date	SUMMARY
Approval Date: 10/09/2024	Original issue date: 10/09/2024
Approval Date: 10/09/2024	Original NGCTS report: N

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Report Number: NGC 4024031

Test Method: This test method conforms explicitly with the American Society for Testing and Materials

Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the

Reverberation Room Method - Designation: C 423-23 / E795-23.

For the test, a Linear Averaging Mode is used as the Averaging Algorithm when measuring the

Decay Times:

Specimen Description: Designated by client as: Athena 23oz - 0% Fullness

The test specimen was observed to have the following characteristics:

Drape Identification: Athena 23oz - 0% Fullness

Fullness: 0%

All weights and dimension are averaged:

Measued dimensions: 2743.2 mm x 2438.4 mm (108 in. x 96 in.)

Weight: 0.76 kg/m² (0.15 PSF)

Unit Size: 1 Unit, 2743.2 mm x 2438.4 mm (108 in. x 96 in.)

Type G-100 as per ASTM E795-23. For this testing, the metal G Mount frame was spaced Mounting:

4 inches from the test chamber wall.

Total Sample Size: 72.00 Sq. Ft. (6.689 m²)

Preconditioning: Minimum 24 hours at 70°F, 55% R.H

Test Results: The results of the tests are given on pages 4 and 5 of the report.

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Sound Absorption Test Data per C423 - 23

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No. of test report:

NGC4024031

Date of test:

10/7/2024

Temp. [°C]:

25.0

Humidity [%]: 50

Spec. Size [m2]: 6.689

Atmospheric pressure [kPa]:

THE PURE	Absorption	Absorption Avg. D		
Frequency	Coefficients a _s	Empty d (empty)	Specimen d (specimen)	
[Hz]		[dB/s]	[dB/s]	
100	0.15	8.54	9.84	
125	0.28	9.81	12.33	
160	0.15	8.33	9.69	
200	0.24	7.69	9.85	·
250	0.42	7.90	11.61	
315	0.46	7.35	11.49	
400	0.63	6.91	12.51	
500	0.69	6.74	12.88	
630	0.71	6.75	13.03	
800	0.70	6.56	12.81	
1000	0.78	6.75	13.73	
1250	0.73	7.39	13.86	
1600	0.71	7.71	14.04	
2000	0.74	8.83	15.43	
2500	0.75	9.14	15.80	
3150	0.78	9.62	16.56	
4000	0.84	9.53	17,05	
5000	0.83	9.40	16.79	

Reverberation Room Volume:

282.1

Noise Reduction Coefficient NRC:

0.65

Avg. 250, 500, 1000, 2000 Hz:

0.657

Sound Absorption Average SAA:

0.63

Avg. 200 - 2500 Hz:

0.629

Estimates of repeatability and reproducibility for sound absorption coefficients

of a specimen are referenced in ASTM C423 - 23 test method.

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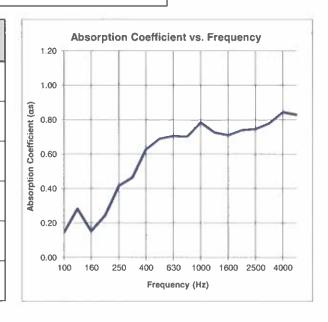
Sound Absorption Test Data per C423 - 23

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Test report: NGC4024031 Date of test: 10/7/2024 Spec. Size [m2]: 6.689 Room Vol.[m3]: 282.1 Temp. [°C]: 25.0 Humidity [%]:

Noise Reduction Coefficient NRC: 0.65 Sound Absorption Average SAA: 0.63

The statement of the	Absorption	
Frequency	Coefficients	
[Hz]	OL _s	
100	0.15	
125	0.28	
160	0.15	
200	0.24	
250	0.42	
315	0.46	
400	0.63	
500	0.69	
630	0.71	
800	0.70	
1000	0.78	
1250	0.73	
1600	0.71	
2000	0.74	
2500	0.75	
3150	0.78	
4000	0.84	
5000	0.83	



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