

TEST REPORT

for

Rose Brand[®] Wipers, Inc. a/k/a Rose Brand

4 Emerson Lane
Secaucus, NJ 07094
Bob Bertrand / 201-809-6367

Sound Absorption Testing

ASTM C 423-17/ E795-16

On

**15 oz. ReVive drape, 8' high x 9' wide,
100% full, open top hem (pocket)
Type G Mounting**

Report Number: NGC 4020007

Assignment Number: G-1679

Test Date: 02/20/2020

Report Approval Date: 03/02/2020

Submitted by: 
Anthony J. Rivers
Test Technician

Reviewed by: 
Robert J. Menchetti
Director

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.

Revision Summary:

Date	SUMMARY
Approval Date: 03/02/2020	Original issue date: 03/02/2020 Original NGCTS report: NGC 4020007

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Report Number: NGC 4020007

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 423-17/ E795-16.

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

Specimen Description: Designated by client as: 15 oz. ReVive drape, 8' high x 9' wide, 100% full,
open top hem (pocket)

The test specimen was observed to have the following characteristics:

Drape Identification: 15 oz. ReVive drape, 8' high x 9' wide, 100% full,
open top hem (pocket)

Fullness: 100%

All weights and dimension are averaged:

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

Weight: 1.21 kg/m² (0.25 PSF)

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

Mounting: Type G-100 as per ASTM E795-16. For this testing, the metal G Mount frame was spaced 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 - 17					Page 4 of 5
No. of test report:		NGC4020007		Date of test: 2/20/2020	
Temp. [°C]: 25.0		Humidity [%]: 50		Spec. Size [m ²]: 6.689	
Frequency [Hz]	Absorption Coefficients a _s	Avg. Decay Rate		Empty d (empty) [dB/s]	Specimen d (specimen) [dB/s]
100	0.16	9.19	10.62		
125	0.18	9.84	11.41		
160	0.35	7.90	11.03		
200	0.48	8.04	12.32		
250	0.66	7.68	13.57		
315	0.80	6.96	14.13		
400	0.83	6.76	14.19		
500	0.82	6.72	13.99		
630	0.84	6.54	14.07		
800	0.89	6.17	14.08		
1000	0.92	6.43	14.62		
1250	0.96	6.50	15.05		
1600	0.97	6.53	15.15		
2000	0.96	6.52	15.09		
2500	0.98	5.74	14.46		
3150	0.98	3.48	12.23		
4000	0.98	0.08	8.81		
5000	1.02	-5.03	4.02		
Reverberation Room Volume:		282.1		m ³	
Noise Reduction Coefficient NRC:		0.85		Avg. 250, 500, 1000, 2000 Hz : 0.839	
Sound Absorption Average SAA:		0.84		Avg. 200 - 2500 Hz: 0.843	
NOTE: Estimates of repeatability and reproducibility for sound absorption coefficients of a specimen are referenced in ASTM C423 - 17 test method.					

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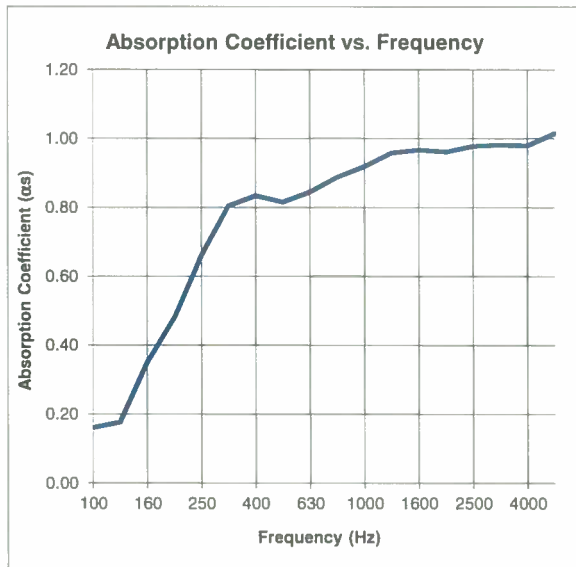
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Sound Absorption Test Data per C423 - 17

Test report: **NGC4020007**
 Date of test: 2/20/2020
 Spec. Size [m²]: 6.689
 Room Vol.[m³]: 282.1
 Temp. [°C]: 25.0
 Humidity [%]: 50

Noise Reduction Coefficient NRC: 0.85
Sound Absorption Average SAA: 0.84

Frequency [Hz]	Absorption Coefficients α_s
100	0.16
125	0.18
160	0.35
200	0.48
250	0.66
315	0.80
400	0.83
500	0.82
630	0.84
800	0.89
1000	0.92
1250	0.96
1600	0.97
2000	0.96
2500	0.98
3150	0.98
4000	0.98
5000	1.02



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