



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

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We Identify and **S.T.O.P.** Your Noise Problems



Johns Manville

**John Manville Technical Center
Acoustical Research & Testing**

**Sound Absorption by
ASTM C 423-99a**

Test Date:	April 21, 2003	Temperature:	74°F
Test Number:	A2003-075-1	Humidity:	56%
Sample ID:	CMA Baffle System #1	Surface Wt.:	0 lb./ft²
Sample Area:	108 ft²		
Sample Weight:	1.5# F/G.		
Sample Thickness:	2 in.		
Mounting Type*	H		
<i>*mounting type is per ASTM E 795</i>			
Sample Description:	Refer to test report drawings for specific baffle configuration.		

Frequency (Hz)	Full Room Absorption (Sabins)	Empty Room Absorption (Sabins)	Sample Abs Coeff.,CL	Total Sabins	Sabins/Unit
100	102.9	90.6	0.11	12.24	2.04
125	90.9	77.4	0.12	13.47	2.25
160	98.2	74.5	0.22	23.87	3.94
200	106.7	74.0	0.30	32.66	5.44
250	121.3	80.1	0.38	41.20	6.87
315	119.9	69.9	0.46	49.97	8.33
400	135.8	74.2	0.57	61.59	10.27
500	156.2	81.2	0.69	75.06	12.51
630	170.7	85.1	0.79	85.65	14.27
800	180.7	88.8	0.85	91.82	15.30
1000	186.7	92.7	0.87	93.94	15.66
1250	189.7	96.3	0.87	93.45	15.58
1600	199.0	106.3	0.86	92.71	15.45
2000	208.9	119.3	0.83	89.62	14.94
2500	220.9	131.1	0.83	89.75	14.96
3150	238.0	149.5	0.82	88.49	14.75
4000	267.0	179.4	0.81	87.51	14.59
5000	306.7	219.9	0.80	86.80	14.47



NOTE: THE CONTENT OF THIS REPORT RELATES ONLY TO THE ITEMS TESTED AND THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE PRIOR CONSENT OF THE ISSUING LABORATORY. USE OF THIS REPORT TO CLAIM PRODUCT ENDORSEMENT BY NVLAP OR ANY AGENCY OF THE U.S. GOVERNMENT IS PROHIBITED.

Accredited by Department of Commerce, National Voluntary laboratory Accreditation Program for Selected Test methods for Acoustics.