



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318
(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com
Visit our Website: www.acousticalsurfaces.com

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

**ARCHITECTURAL
TESTING INC.**

SOUND ABSORPTION ASTM C423

ATI No.		01-34114.01-5				
Rendered by Manufacturer for:		Acoustical Surfaces Inc. 123 Columbia Court North, Chaska, MN 55318				
Specimen		1-3/4" ARPRO Porous Expanded Polypropylene PEPP				
Specimen Area		53.13 Sq. Ft.		Mounting Type K		
Operator		Todd D. Kister				
Empty Room 10-Feb-99			Full Room 10-Feb-99			
Temp F	70.5			69.1		
RH%	66.8			64.0		
Freq (HZ)	Absorption (Sabins/Sq. Ft.)	Uncert	Absorption (Sabins/Sq. Ft.)	Uncert	Absorption Coefficient	Uncertainty
50	42.74	0.008	50.80	0.286	0.15	0.005
63	45.94	0.014	47.32	0.533	0.03	0.010
80	45.44	0.569	56.25	0.475	0.20	0.014
100	49.99	0.022	53.94	0.054	0.07	0.001
125	43.69	0.144	51.85	0.048	0.15	0.003
160	39.38	0.234	51.09	0.175	0.22	0.006
200	43.73	0.028	55.60	0.174	0.22	0.003
250	45.59	0.122	58.38	0.128	0.24	0.003
315	43.02	0.195	56.16	0.058	0.25	0.004
400	45.48	0.231	59.27	0.270	0.26	0.007
500	45.73	0.017	59.27	0.191	0.25	0.004
630	48.12	0.093	62.72	0.271	0.27	0.005
800	50.16	0.095	68.59	0.012	0.35	0.002
1000	55.00	0.039	75.73	0.056	0.39	0.001
1250	62.06	0.123	89.66	0.071	0.52	0.003
1600	66.83	0.093	95.15	0.212	0.53	0.004
2000	69.87	0.151	94.48	0.379	0.46	0.008
2500	83.68	0.188	108.55	0.113	0.47	0.004
3150	99.71	0.094	128.74	0.008	0.55	0.002
4000	121.47	0.024	153.14	0.308	0.60	0.006
5000	154.62	0.021	189.25	0.196	0.65	0.004
6300	202.66	0.141	242.18	0.215	0.74	0.005
8000	275.66	0.158	322.19	0.110	0.88	0.004
Exact NRC Rating		0.337				
Exact SAA Rating		0.352				
NRC Rating		0.35				
SAA Rating		0.35				



Accredited by the National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program for the specific test methods under lab code 200361. The laboratory's accreditation or test report in no way constitutes or implies product certification, approval, or endorsement by NIST. This test report applies only to the specimen that was tested.

- Soundproofing Products • Sonex™ Ceiling & Wall Panels • Sound Control Curtains • Equipment Enclosures • Acoustical Baffles & Banners • Solid Wood & Veneer Acoustical Ceiling & Wall Systems
- Professional Audio Acoustics • Vibration & Damping Control • Fire Retardant Acoustics • Hearing Protection • Moisture & Impact Resistant Products • Floor Impact Noise Reduction
- Sound Absorbers • Noise Barriers • Fabric Wrapped Wall Panels • Acoustical Foam (Egg Crate) • Acoustical Sealants & Adhesives • Outdoor Noise Control • Assistive Listening Devices
- OSHA, FDA, ADA Compliance • On-Site Acoustical Analysis • Acoustical Design & Consulting • Large Inventory • Fast Shipment • No Project too Large or Small • Major Credit Cards Accepted



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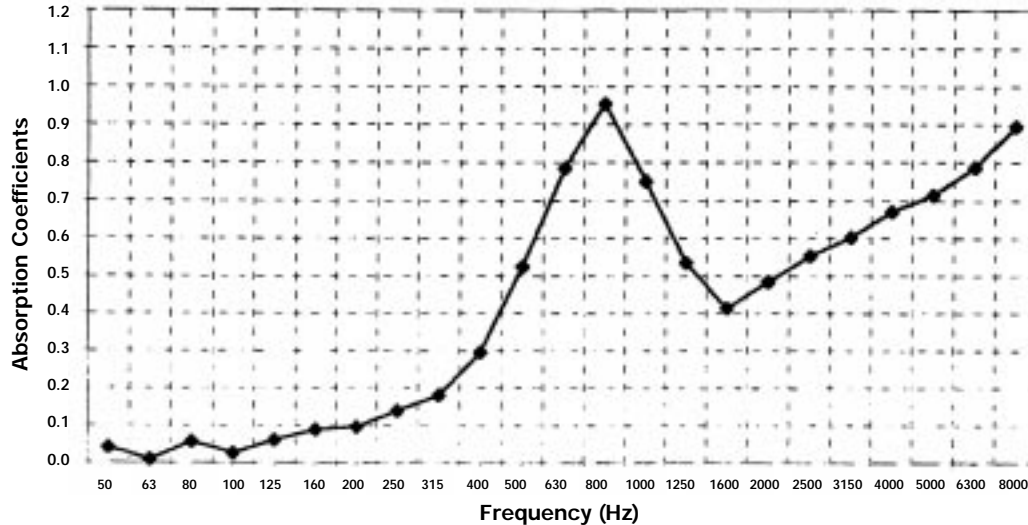


ATI No.
By Manufacturer for:

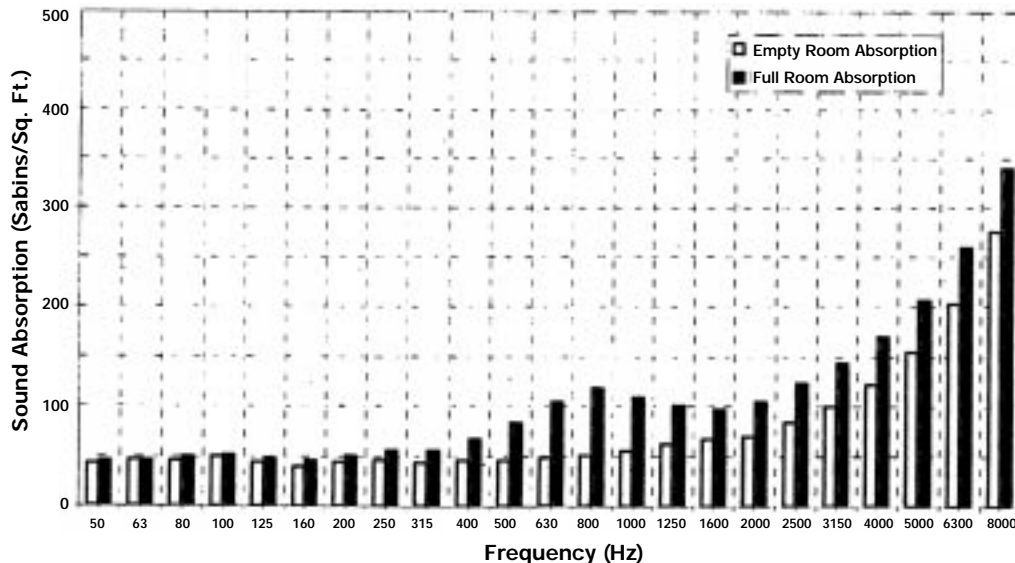
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123 Columbia Court North, Chaska, MN 55318
1-3/4" ARPRO Porous Expanded Polypropylene PEPP
53.13 Sq. Ft. Mounting Type K
Todd D. Kister

Specimen
Specimen Area
Operator

Sound Absorption Coefficients



Sound Absorption - Empty vs. Full



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