



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.		01-34114.01-1				
Rendered by Manufacturer for:		Acoustical Surfaces Inc. 123 Columbia Court North, Chaska, MN 55318				
Specimen		3/4" ARPRO Porous Expanded Polypropylene PEPP				
Specimen Area		71.80 Sq. Ft.		Mounting Type A		
Operator		Eric J. Miller				
		Empty Room		Full Room		
		10-Feb-99		10-Feb-99		
Temp F		70.5		69.7		
RH%		66.8		63.8		
Freq (HZ)	Absorption (Sabins/Sq. Ft.)	Uncert	Absorption (Sabins/Sq. Ft.)	Uncert	Absorption Coefficient	Uncertainty
50	42.74	0.008	47.83	0.131	0.07	0.002
63	45.94	0.014	47.95	0.261	0.03	0.004
80	45.44	0.569	48.65	0.345	0.04	0.009
100	49.99	0.022	49.32	0.195	0.00	0.003
125	43.69	0.144	43.16	0.253	0.00	0.004
160	39.38	0.234	43.78	0.496	0.06	0.008
200	43.73	0.028	48.53	0.238	0.07	0.003
250	45.59	0.122	47.17	0.150	0.02	0.003
315	43.02	0.195	47.70	0.185	0.07	0.004
400	45.48	0.231	50.32	0.154	0.07	0.004
500	45.73	0.017	52.53	0.017	0.09	0.000
630	48.12	0.093	56.98	0.348	0.12	0.005
800	50.16	0.095	64.64	0.198	0.20	0.003
1000	55.00	0.039	74.52	0.065	0.27	0.001
1250	62.06	0.123	91.48	0.300	0.41	0.005
1600	66.83	0.093	120.80	0.001	0.75	0.001
2000	69.87	0.151	137.64	0.093	0.94	0.002
2500	83.68	0.188	138.81	0.244	0.77	0.004
3150	99.71	0.094	139.44	0.354	0.55	0.005
4000	121.47	0.024	156.07	0.037	0.48	0.001
5000	154.62	0.021	200.96	0.195	0.65	0.003
6300	202.66	0.141	259.05	0.018	0.79	0.002
8000	275.66	0.158	334.84	0.194	0.82	0.003
Exact NRC Rating		0.333				
Exact SAA Rating		0.316				
NRC Rating		0.35				
SAA Rating		0.30				



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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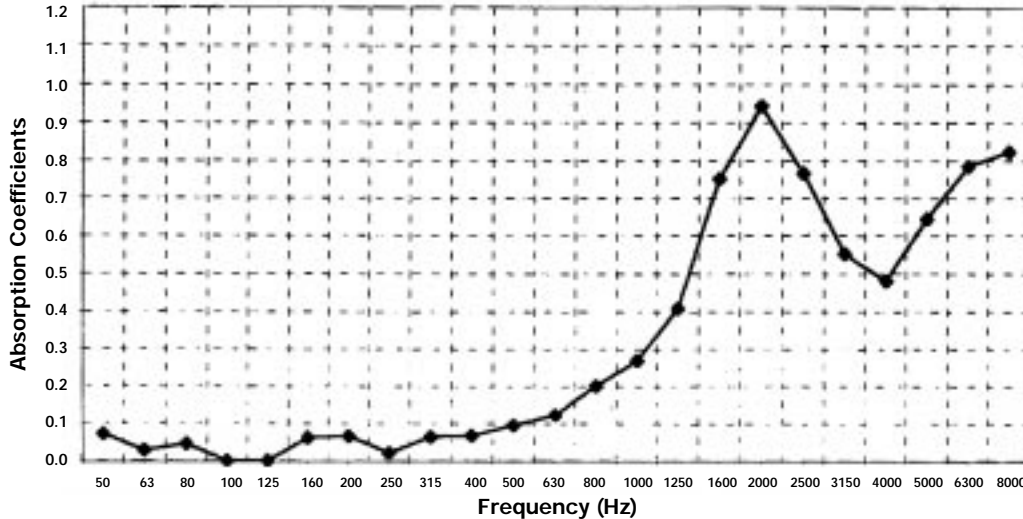
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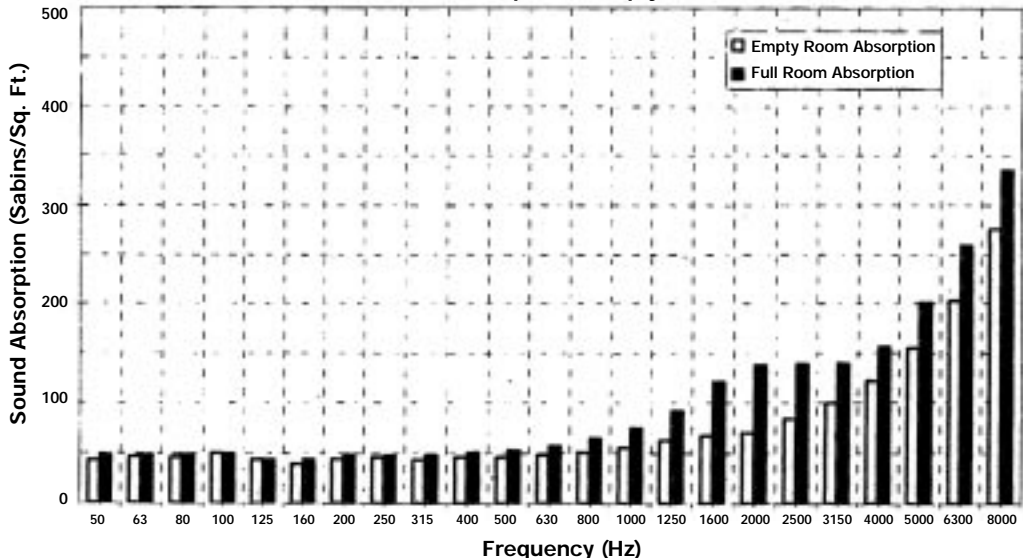


ATI No. 01-34114.01-1
 By Manufacturer for: Acoustical Surfaces Inc.
 123 Columbia Court North, Chaska, MN 55318
 Specimen 3/4" ARPRO Porous Expanded Polypropylene PEPP
 Specimen Area 71.80 Sq. Ft. Mounting Type A
 Operator Eric J. Miller

Sound Absorption Coefficients



Sound Absorption - Empty vs. Full



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