



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



SOUND ABSORPTION ASTM C423

ATI No.		01-34114-10				
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		72.00 Sq. Ft.		Mounting Type E400		
Operator		Todd D. Kister				
Empty Room 10-Feb-99			Full Room 11-Feb-99			
Temp F	70.5			69.5		
RH%	66.8			65.4		
Freq (Hz)	Absorption (Sabins/Sq. Ft.)	Uncert	Absorption (Sabins/Sq. Ft.)	Uncert	Absorption Coefficient	Uncertainty
50	42.74	0.008	71.40	0.219	0.40	0.003
63	45.94	0.014	76.97	0.896	0.43	0.012
80	45.44	0.569	73.71	0.340	0.39	0.009
100	49.99	0.022	97.32	0.166	0.66	0.002
125	43.69	0.144	86.36	0.099	0.59	0.002
160	39.38	0.234	80.56	0.335	0.57	0.006
200	43.73	0.028	86.41	0.292	0.59	0.004
250	45.59	0.122	79.85	0.468	0.48	0.007
315	43.02	0.195	72.18	0.059	0.41	0.003
400	45.48	0.231	70.48	0.043	0.35	0.003
500	45.73	0.017	71.43	0.178	0.36	0.002
630	48.12	0.093	74.02	0.113	0.36	0.002
800	50.16	0.095	79.76	0.019	0.41	0.001
1000	55.00	0.039	89.96	0.092	0.49	0.001
1250	62.06	0.123	104.28	0.289	0.59	0.004
1600	66.83	0.093	107.93	0.033	0.57	0.001
2000	69.87	0.151	108.24	0.036	0.53	0.002
2500	83.68	0.188	118.39	0.057	0.48	0.003
3150	99.71	0.094	144.27	0.025	0.62	0.001
4000	121.47	0.024	165.99	0.085	0.62	0.001
5000	154.62	0.021	204.47	0.007	0.69	0.000
6300	202.66	0.141	255.07	0.097	0.73	0.002
8000	275.66	0.158	333.63	0.009	0.81	0.002
Exact NRC Rating		0.463				
Exact SAA Rating		0.467				
NRC Rating		0.45				
SAA Rating		0.45				



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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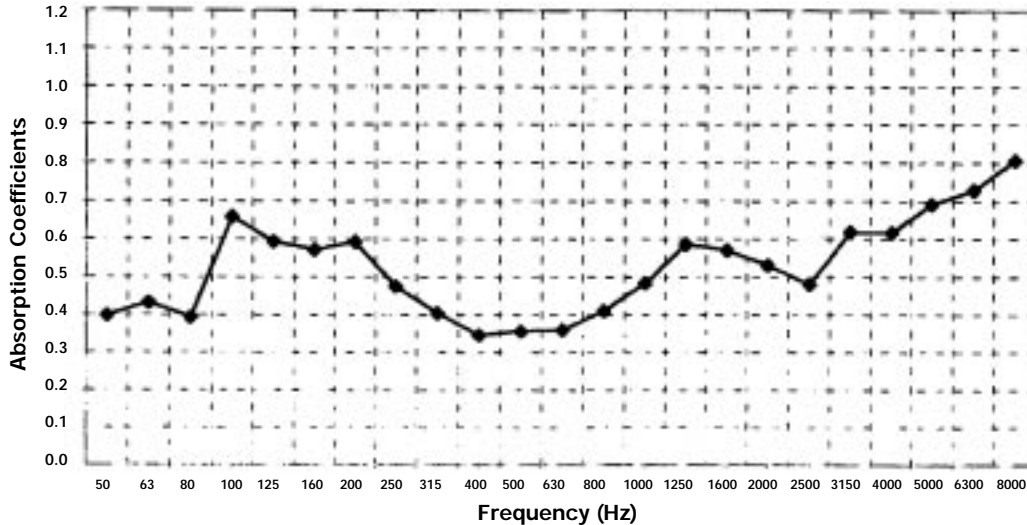
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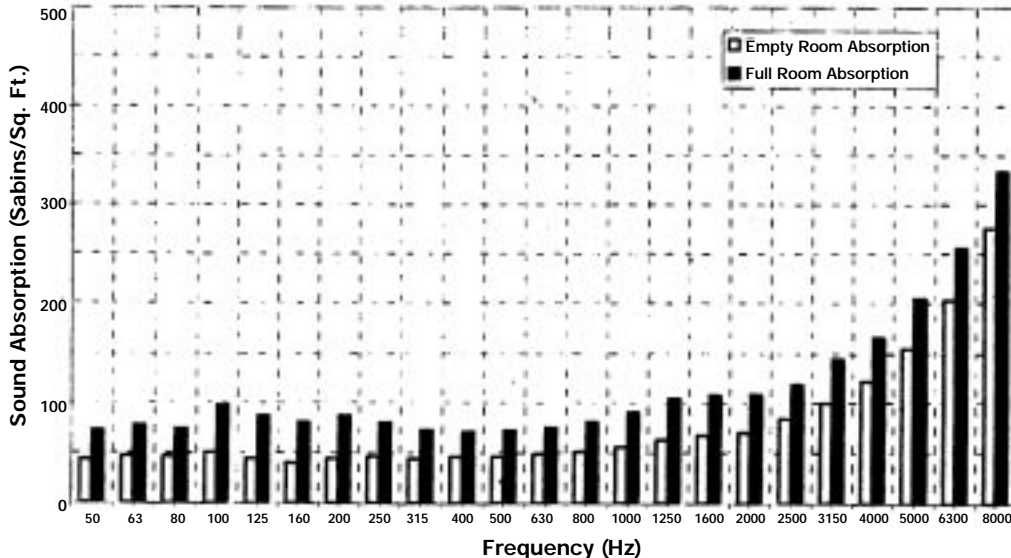


ATI No. 01-34114-10
By Manufacturer for: Acoustical Surfaces Inc.
123 Columbia Court North, Chaska, MN 55318
Specimen 1-3/4" ARPRO Porous Expanded Polypropylene PEPP
Specimen Area 72.00 Sq. Ft. Mounting Type E400
Operator Todd D. Kister

Sound Absorption Coefficients



Sound Absorption - Empty vs. Full



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