



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.		01-34114-9				
Rendered by Manufacturer for:		Acoustical Surfaces Inc. 123 Columbia Court North, Chaska, MN 55318				
Specimen		1" 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			65.9		
Freq (Hz)	Absorption (Sabins/Sq. Ft.)	Uncert	Absorption (Sabins/Sq. Ft.)	Uncert	Absorption Coefficient	Uncertainty
50	42.74	0.008	72.29	1.024	0.41	0.014
63	45.94	0.014	74.75	0.239	0.40	0.017
80	45.44	0.569	65.85	0.471	0.28	0.010
100	49.99	0.022	83.20	0.710	0.46	0.010
125	43.69	0.144	88.78	0.628	0.63	0.009
160	39.38	0.234	82.85	0.267	0.60	0.005
200	43.73	0.028	91.58	0.070	0.66	0.001
250	45.59	0.122	84.87	0.082	0.55	0.002
315	43.02	0.195	73.09	0.266	0.42	0.005
400	45.48	0.231	73.73	0.163	0.39	0.004
500	45.73	0.017	69.45	0.011	0.33	0.000
630	48.12	0.093	76.16	0.074	0.39	0.002
800	50.16	0.095	76.05	0.029	0.36	0.001
1000	55.00	0.039	79.28	0.084	0.34	0.001
1250	62.06	0.123	87.06	0.054	0.35	0.002
1600	66.83	0.093	98.45	0.231	0.44	0.003
2000	69.87	0.151	109.02	0.232	0.54	0.004
2500	83.68	0.188	130.34	0.019	0.65	0.003
3150	99.71	0.094	143.93	0.425	0.61	0.006
4000	121.47	0.024	159.39	0.081	0.53	0.001
5000	154.62	0.021	199.96	0.012	0.63	0.000
6300	202.66	0.141	252.50	0.146	0.69	0.003
8000	275.66	0.158	327.70	0.734	0.72	0.010
Exact NRC Rating		0.439				
Exact SAA Rating		0.451				
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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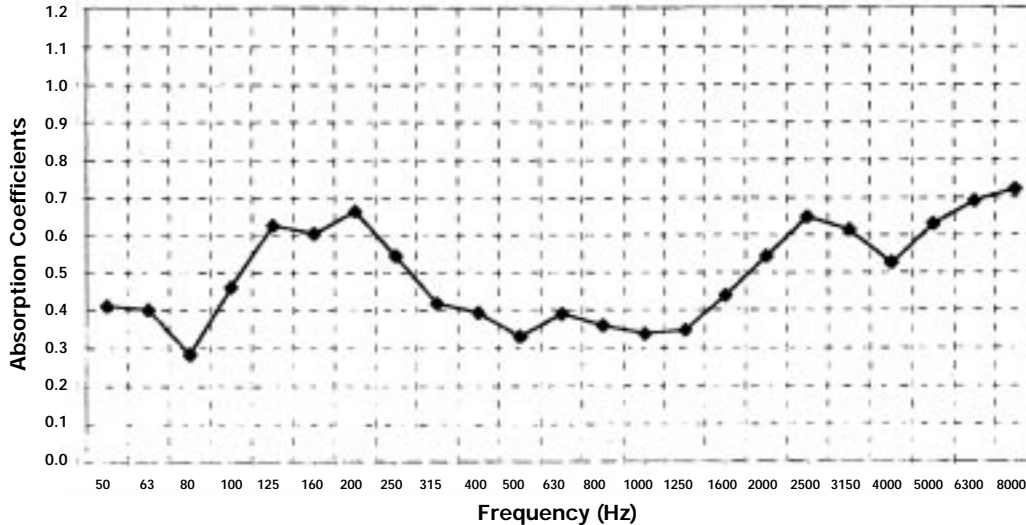


ATI No.
By Manufacturer for:

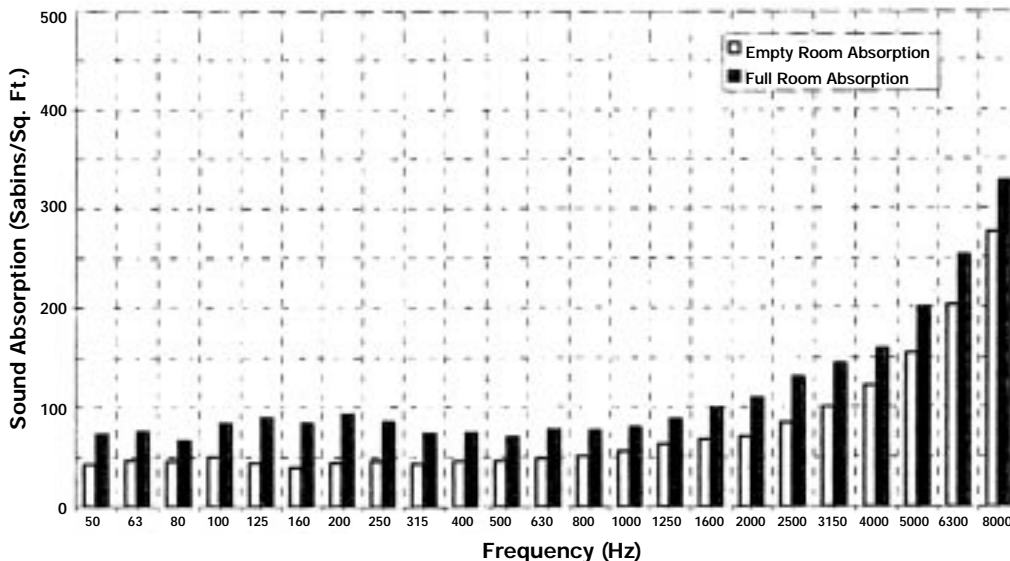
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1" ARPRO Porous Expanded Polypropylene PEPP
72.00 Sq. Ft. Mounting Type E400
Operator
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Specimen
Specimen Area
Operator

Sound Absorption Coefficients



Sound Absorption - Empty vs. Full



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