



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.		01-34114.01-3				
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		71.80 Sq. Ft.		Mounting Type A		
Operator		Todd D. Kister				
		Empty Room		Full Room		
		10-Feb-99		10-Feb-99		
Temp F	70.5			69.3		
RH%	66.8			64.5		
Freq (HZ)	Absorption (Sabins/Sq. Ft.)	Uncert	Absorption (Sabins/Sq. Ft.)	Uncert	Absorption Coefficient	Uncertainty
50	42.74	0.008	45.60	0.134	0.04	0.002
63	45.94	0.014	46.45	0.542	0.01	0.008
80	45.44	0.569	49.47	0.017	0.06	0.008
100	49.99	0.022	51.80	0.341	0.03	0.005
125	43.69	0.144	48.03	0.059	0.06	0.002
160	39.38	0.234	45.73	0.568	0.09	0.009
200	43.73	0.028	50.63	0.096	0.10	0.001
250	45.59	0.122	55.51	0.329	0.14	0.005
315	43.02	0.195	55.98	0.002	0.18	0.003
400	45.48	0.231	66.76	0.278	0.30	0.005
500	45.73	0.017	83.40	0.175	0.52	0.002
630	48.12	0.093	104.41	0.185	0.78	0.003
800	50.16	0.095	118.63	0.333	0.95	0.005
1000	55.00	0.039	108.84	0.243	0.75	0.003
1250	62.06	0.123	100.50	0.429	0.54	0.006
1600	66.83	0.093	96.61	0.027	0.41	0.001
2000	69.87	0.151	104.71	0.333	0.49	0.005
2500	83.68	0.188	123.46	0.253	0.55	0.004
3150	99.71	0.094	143.07	0.013	0.60	0.001
4000	121.47	0.024	169.74	0.035	0.67	0.001
5000	154.62	0.021	205.91	0.142	0.71	0.002
6300	202.66	0.141	259.23	0.077	0.79	0.002
8000	275.66	0.158	339.93	0.012	0.90	0.002
Exact NRC Rating		0.474				
Exact SAA Rating		0.476				
NRC Rating		0.45				
SAA Rating		0.50				



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



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

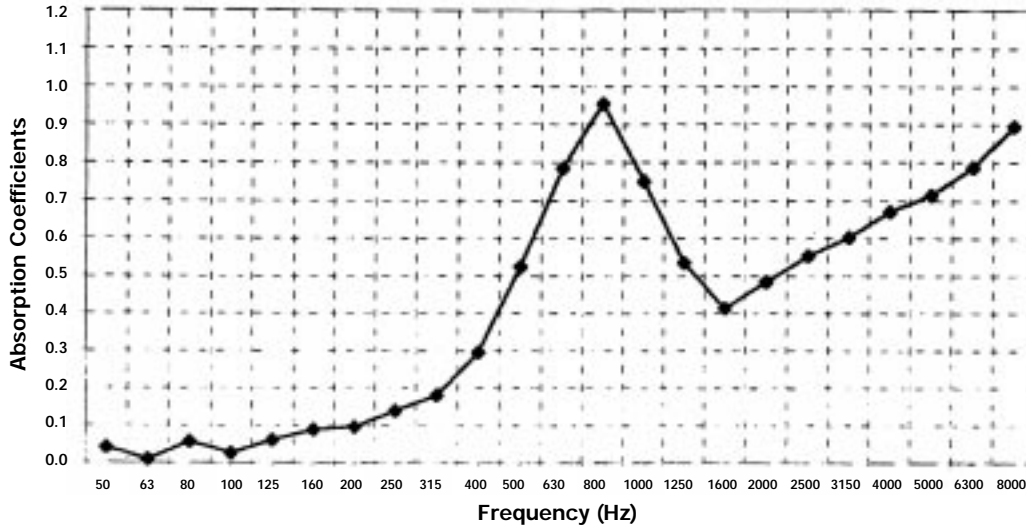


ATI No.
By Manufacturer for:

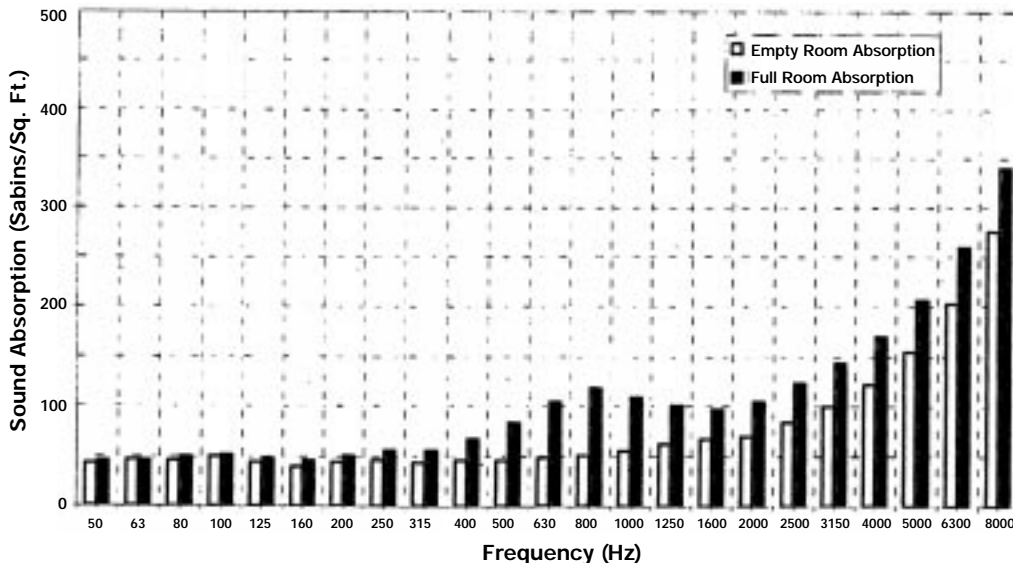
01-34114.01-3
Acoustical Surfaces Inc.
123 Columbia Court North, Chaska, MN 55318
1-3/4" ARPRO Porous Expanded Polypropylene PEPP
71.80 Sq. Ft. Mounting Type A
Todd D. Kister

Specimen
Specimen Area
Operator

Sound Absorption Coefficients



Sound Absorption - Empty vs. Full



- 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