



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

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

SOUND SILENCER™ P.E.P.P.

Porous Expanded Polypropylene (P.E.P.P.) Acoustical Wall Panels

- **Class A Fire Retardant**
- **No Fiberglass – Non-Fibrous**
- **Moisture Resistant**
- **Impact Resistant** • **Lightweight** • **Resilient**
- **Indoor – Outdoor** (NOTE: Use Charcoal for Outdoor Applications.)



MATERIAL: Semi-Rigid Porous Expanded Polypropylene Acoustical Bead Foam (P.E.P.P.)

PATTERN: Non Abrasive, Slightly Textured, Porous

FEATURES: Lightweight, Impact Resistant, Moisture, Bacteria & Fungi Resistant, Tackable Surface

APPLICATIONS: Gymnasiums, Auditoriums, Classrooms, Swimming Pools, Ice Arenas, Clean Rooms, Food Processing Plants, Food Prep Areas, Cafeterias & Restaurants, Manufacturing Plants, Car Washes, Rooftop and Machine Enclosures, Gun Ranges, Dog Kennels, Locker Rooms

COLOR: White, Charcoal

THICKNESS: 1" & 2"

SIZES: Exact Cut: 24" x 24", 24" x 48", Nominal: 2' x 2', 2' x 4', Custom Sizes Available – Maximum Panel Size: 25" x 49"

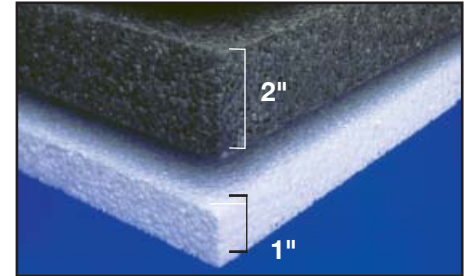
FLAMMABILITY: ASTM E84, Class A. 1": Flame Spread: 3, Smoke Developed: 84
2": Flame Spread: 5, Smoke Developed: 113

INSTALLATION: ASI Noise S.T.O.P. Acoustical Adhesive, Standard T-bar Grid, Mechanical Fasteners

***Note to all installers:**

Sound Silencer™ PEPP is a thermal molded product, and although tough to see, one side of the panel will have injection and mold release marks. These are circular marks that range in size and indent depth. These marks denote the back side of the panel so panels should be installed with these marks facing the wall or ceiling for best possible aesthetical outcome. Product is not UV Stable.

Sizes and Dimensions



Available in 1" and 2" thicknesses.
Weight: 1" 1/4 lb./sf 2" 1/2 lb./sf
Sizes – Exact cut: 24" x 24", 42" x 48".
Nominal: 2' x 2', 2' x 4'.
Custom sizes available –
Maximum panel size: 25" x 49".

Sound Absorption / Noise Reduction

	Mount	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC*
Sound Silencer 1"	Wall Mounted	0.05	0.06	0.21	0.80	0.65	0.75	0.45
Sound Silencer 1"	Wall with 3/4" air space	0.06	0.13	0.51	0.79	0.62	0.79	0.50
Sound Silencer 1"	Wall with 1" B.A.C.**	0.11	0.58	1.07	0.71	0.74	0.72	0.80
Sound Silencer 2"	Wall Mounted	0.07	0.21	0.81	0.85	0.93	0.88	0.70
Sound Silencer 2"	Wall with 3/4" air space	0.10	0.29	0.99	0.74	0.90	0.93	0.75
Sound Silencer 2"	Wall with 1" B.A.C.**	0.17	0.81	0.97	0.85	0.89	0.92	0.90
Sound Silencer 1"	Ceiling E400	0.46	0.59	0.42	0.49	0.76	0.86	0.55
Sound Silencer 2"	Ceiling E400	0.51	0.52	0.52	0.77	0.89	0.98	0.70
Sound Silencer 1"	Wall C423 12" spacing	0.04	0.07	0.20	0.83	0.81	1.00	0.50
Sound Silencer 2"	Wall C423 12" spacing	0.09	0.21	0.82	1.11	1.11	1.12	0.80

*Noise Reduction Coefficient **Echo Eliminator Bonded Acoustical Cotton

Sound Transmission Loss

	125 Hz	250 Hz	500 Hz	1000Hz	2500 Hz	5000 Hz	STC* Rating
Sound Silencer 1"	6	5	7	8	10	15	9
Sound Silencer 2"	9	8	10	10	17	22	13
Sound Silencer with 5/8" gypsum both sides	27	27	29	31	32	45	32

*Sound Transmission Coefficient

Sound Transmission Loss independently tested to ASTM E-90 standards

