



Soundproofing America Online Store

Your #1 Soundproofing Source Worldwide

Toll Free Line: **877-530-0139**

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SILENT PANEL™

Porous Expanded Polypropylene
Acoustical Wall Panels

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

- MATERIAL:** Semi-Rigid Porous Expanded Polypropylene Acoustical Bead Foam.
- 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.
- THICKNESS:** 1" & 2" **SIZES:** Nominal 2' x 2', 2' x 4'; Custom Sizes Available.
- COLOR:** White, Charcoal.
- FLAMMABILITY:** ASTM E84, Class A. 1": Flame Spread: 3, Smoke Developed: 84
2": Flame Spread: 5, Smoke Developed: 113
- INSTALLATION:** Acoustical Adhesive, Mechanical Fasteners.

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

*Noise Reduction Coefficient **Echoless Panel

Sound Transmission Loss							
	125 Hz	250 Hz	500 Hz	1000Hz	2500 Hz	5000 Hz	STC* Rating
Silent Panel 1"	6	5	7	8	10	15	9
Silent Panel 2"	9	8	10	10	17	22	13
Silent Panel 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

