

Sound Silencer (PEPP) Acoustical Wall & Ceiling Panels

Sound Silencer Absorptive Acoustical Panels

Sound Silencer™ acoustical wall and ceiling panels are made from rigid porous polypropylene (ARPRO P.E.P.P.), providing effective sound control with both STC and NRC performance. These lightweight, non-fibrous panels are Class A fire rated (ASTM E84) and feature a cleanable, non-abrasive, tackable surface that resists moisture, impact, bacteria, and fungi. Ideal for demanding environments like gyms, pools, labs, and food prep areas, panels mount directly to walls and ceilings for durable, attractive noise control indoors or out.

FEATURES & BENEFITS

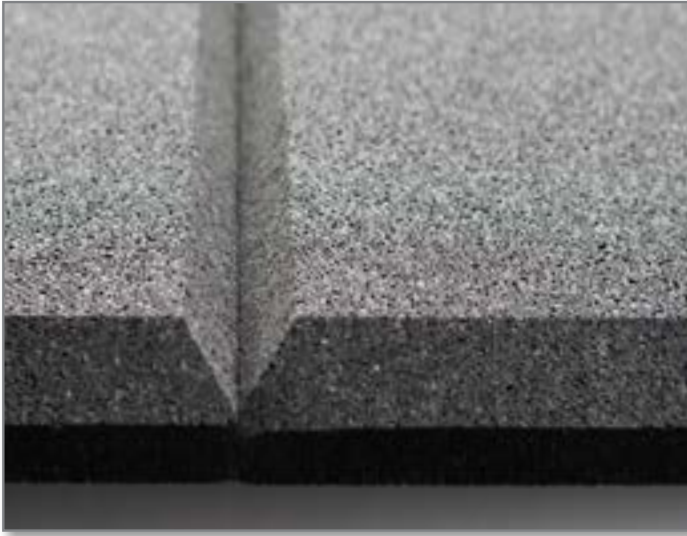
- High performance – both STC & NRC ratings
- Class A fire rated per ASTM E84
- No fiberglass – non-fibrous
- Water and humidity resistant
- Non-abrasive surface
- Indoor/outdoor usage
- Tackable surface
- Moisture-, impact-, bacteria- & fungi-resistant
- Lightweight & cleanable



ACOUSTICAL
SURFACES INC.

Sound Silencer™ (PEPP)

Acoustical Ceiling and Wall Panels



Sound Absorption (NRC)								
	Mount	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC
Sound Silencer 1"	Wall - A Mount	0.05	0.06	0.21	0.80	0.65	0.75	0.45
Sound Silencer 1"	With 1" Echo Eliminator backer	0.11	0.58	1.07	0.71	0.74	0.72	0.80
Sound Silencer 2"	Wall - A Mount	0.07	0.21	0.81	0.85	0.93	0.88	0.70
Sound Silencer 2"	With 1" Echo Eliminator backer	0.17	0.81	0.97	0.85	0.89	0.92	0.90

Sound Transmission Loss (STC)							
	125Hz	250Hz	500Hz	1KHz	2.5KHz	5KHz	STC
1" Thick	6	5	7	8	10	15	9
2" Thick	9	8	10	10	17	22	13

APPLICATIONS

Gymnasiums, ice rinks, swimming pools/natatoriums, indoor sports facilities/field houses, fitness centers/weight rooms, school cafeterias, auditoriums/multipurpose rooms, music rooms/band rooms, indoor firing ranges, clean rooms, laboratories, food preparation/processing areas, commercial kitchens, industrial/manufacturing spaces, mechanical rooms/equipment enclosures, warehouses, indoor aquatic centers, transportation facilities/maintenance bays, exterior soffits and canopies, high-moisture/washdown environments, and more.

FEATURES

Sound Silencer™ panels were created for spaces where noise, moisture, and durability demands all collide—like busy gymnasiums, ice rinks, pool decks, and high-traffic labs. Made from heat-compressed, rigid porous polypropylene (ARPRO P.E.P.P.), they feature a clean, non-fibrous core that is both tough and refined. Despite being lightweight, they deliver strong performance with both sound absorption (NRC) and blocking (STC), improving clarity and comfort in challenging environments. Their smooth, non-abrasive surface is fully cleanable and built to resist impact, moisture, bacteria, and fungi while maintaining long-term performance. With a Class A fire rating (ASTM E84) and a tackable, versatile face, they meet strict safety standards while remaining adaptable. Designed for walls, ceilings, and even select exterior applications, Sound Silencer™ panels install directly to surfaces, turning loud, harsh spaces into controlled, durable, and comfortable environments.

MATERIAL

Semi-rigid, heat compressed Porous Expanded Polypropylene (P.E.P.P.) acoustical bead

SIZES & DIMENSIONS

Ceiling and Wall Panels: 24" x 24" and 24" x 48"

Ceiling Tiles: 23-3/4" x 23-3/4", 23-3/4" x 47-3/4"

WEIGHT

1" Thick: 1/4 lbs./sf

2" Thick: 1/2 lbs./sf

COLORS

White or Charcoal

EDGES

Square or Half-Beveled

FLAMMABILITY

Class A Fire Rated (per ASTM E84)

INSTALLATION

ASI Acoustical Adhesive, screws, Z-Clips

Sound Silencer Install Video Available on YouTube:

https://www.youtube.com/watch?v=GHF_2IA-5tY&t=3s

Test Reports & Additional Information Can be Found at:

www.acousticalsurfaces.com/sound_silencer/sswall_panel.htm



ACOUSTICAL | SURFACES, INC.

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