



Control noise and reverberation with SONEX One Panels and Baffles. Featuring a deep, omni-directional sculpted surface, both create appealing shadow and light effects. Made from lightweight, non-fibrous WILLTEC™ melamine foam, SONEX One provides superior sound absorption for walls, ceilings and high-volume spaces. **SONEX One Panels** are designed for direct application to walls and ceilings using pinta acoustic adhesives and are available in various sizes, thicknesses, and water-base finishes. For high-volume environments, **SONEX One Baffles** provide effective noise reduction through simple, single- or multiple-stacked suspension via integral strap hangers.

>> **Advantages**

- Excellent acoustic absorption across all sound frequencies; diminishes high noise levels and reverberation
- Naturally resistant to mold, fungus and bacteria growth, can withstand high heat and humidity
- Lightweight and easy to install

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Physical Data — WILLTEC foam

Material	Density	Long-Term Service Temperature	Flame Spread and Smoke Density	Microbial Growth	Fungus Resistance	Finishes
 Open-cell melamine-based foam	 0.5 to 0.7 lbs./cubic ft. (0.23 to 0.32 kg per m ³) ASTM D3574-77	 302°F (150°C)	 Passes Class A per ASTM E 84 Passes CAN ULC-S102	 Passes UL 181, section 11	 Rating 0 per ASTM G21	 Natural white and grey, water-based acoustic coated standard, premium and custom colors

Material

- Made from open-cell, natural light grey or white WILLTEC™ expanded melamine foam
- Water-based acoustic coated in standard, premium and custom colors for easy cleaning and durability
- Non-repeating, omni-directional sculpted-pattern panels with 30-degree bevel edges

Sizes

- Panels: 24" x 48" (610 x 1219 mm) dimension
- Thickness: 2" or 3" (51 or 76 mm) thickness

Panels Glue-Up Installation to Smooth Substrates

- Use clean, thin, white, cotton gloves to handle panels
- Run a continuous 1/4-inch (6 mm) adhesive bead around the perimeter, approx. 1.5" (38 mm) from edges; apply intermittent beads across panel creating an X
- Press firmly and smooth evenly to ensure a lasting bond

Baffle Installation

- Integrated straps and grommets offer easy suspension
- Confirm baffle orientation prior to ordering

Applications

- Modern offices, classrooms and libraries
- Multi-purpose cafeterias and gymnasiums
- Art centers, museums and display showrooms
- Restaurants, performance and entertainment venues
- Industrial manufacturing, production and assembly areas
- Indoor swimming pools, fitness centers and spas

Sound Absorption - Panels

Finish	Thickness	Test ASTM C423-90a							Mounting Type
		125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC	
Natural (white and light grey)	2" (51 mm)	0.13	0.29	0.75	1.00	0.97	1.07	0.75	A
	3" (76 mm)	0.09	0.68	1.20	1.18	1.12	1.05	1.05	A
Water-based acoustic coated (standard, premium and custom colors)	2" (51 mm)	0.13	0.41	1.02	1.18	1.18	1.13	0.95	B
	3" (76 mm)	0.13	0.85	1.25	1.22	1.13	1.14	1.10	A

Sound Absorption - Baffles

Finish	Thickness	Sabins per Baffle per ASTM C423-90a						Average
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	
Natural (white and light grey)	3" (76 mm)	2.3	5.7	10.5	15.3	18.6	24.8	12.9

>> Links

- [Color Chart](#)
- [3-Part Specs](#)
- [LEED® Credit Statement](#)
- [Maintenance of Products](#)
- [Baffle Drawing](#)
- [Panel Drawing: Version 1 • Version 2](#)

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