

SONEX® One Baffles

Product Information



SONEX® One Baffles are an ideal product to diminish sound reflection and erratic noise issues within high-volume spaces. Omni-directional, deep-sculpted surface pattern SONEX One Baffles produce interesting, shadow-and light-play effects about suspended ceilings in addition to optimizing most interior environments' sound performance for their intended activity. SONEX One continuous bevel edge baffles are made from ASTM E 84 Class A, CAN ULCS-102 fire-rated, lightweight, non-fibrous, open-cell expanded melamine WILLTEC® foam and are readily available in a variety of standard and custom sizes, thicknesses and water-base acoustic color finishes. SONEX One Baffles feature integral strap hangers to allow for simple, single- or multiple-stacked suspended on-site applications.

>> Advantages

- Excellent acoustic absorption across all sound frequencies
- Naturally resistant to mold, fungus and bacteria growth, baffles can withstand high heat and humidity of indoor swimming pools
- Can easily be suspended using typical hanger wire, cable gripper and connector methods

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Material

- Double-sided, omni-directional, sculpted-surface pattern baffles made from open-cell WILLTEC® natural light grey or white expanded melamine foam
- Standard water-based acoustic coating colors in arctic white, ivory, beige, light blue, light, medium or dark grey, black and other premium or custom options available; baffles coated both sides and continuous-bevel edges standard

Sizes

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

Applications

- Large, open, high-ceiling areas
- Manufacturing, production and assembly areas
- Recreation, indoor swimming pools and spas
- Ice rinks, gymnasiums and sports training
- Airport, rail and other transportation facilities
- Auditoriums, cafeterias and breweries

Installation

- SONEX One Baffles feature integrated straps and grommets for easy single or gang suspension
- Please confirm the correct baffle orientation to suit the projects specific suspended application prior to ordering
- Please consult pinta acoustic with any questions prior to your specific project application start



Physical Data—WILLTEC foam

Material	Open-cell, melamine-based foam
Density	0.5 to 0.7 lbs./cu. ft. (ASTM D3574- 77)
Long-Term Service Temperature	302°F (150°C)
Fire Resistance	Class 1 per ASTM E 84 (all finishes) Meets UL 1715 (willtec natural) CAN ULCS-102
Flame Spread per ASTM E 84	Natural: 5 Water-based acoustic coated: 15 CAN ULCS-102
Smoke Density per ASTM E 84	Natural: 50 Water-based acoustic coated: 45
Microbial Growth	Passes UL 181, section 11
Fungus Resistance	Rating 0 per ASTM G21
Finishes	Natural (white or grey) or water-based acoustic coated (standard, premium or custom colors)

Sound Absorption

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

>> Other Products

- Direct-Apply Ceiling and Wall Panels
- Suspended Ceiling Clouds and Baffles
- Suspended Grid Lay-in Panels
- Barriers, Foam and Composites

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