Memtech Acoustics

# 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 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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## Product Information

### 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, 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 multiple-panel suspension
- Please confirm the correct baffle orientation to suit the projects specific suspended application prior to ordering
- Please consult Memtech Acoustics 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) |
| Flame Spread and Smoke Density | Passes Class A per ASTM E 84 (all finishes)<br>Passes CAN ULCS-102 |
| 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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