



- Softly sculpted surface pattern on both sides
- Designed to hang from ceilings in large, open rooms
- Excellent sound absorption across all frequencies
- Baffle size of 24" x 48" in 3" thickness

## SONEXone™ Baffles

### Product Information

SONEXone Baffles are an ideal solution to reverberation and overall noise problems. These versatile baffles can be used in a variety of settings including: auditoriums, gymnasiums, indoor swimming pools, recreation centers and production facilities. SONEXone Baffles are made from illbruck's exclusive willtec® foam, which is Class 1 fire-rated according to ASTM E 84 for flame spread and smoke density. willtec natural also meets the corner burn test UL 1715.

In addition to its high fire safety rating, willtec foam provides excellent sound absorption across all frequencies and helps prevent noise buildup that interferes with speech intelligibility.

SONEXone Baffles are available in natural, painted or Hypalon®-coated finishes. Our exclusive Hypalon formulation protects the foam from dust and dirt and makes it possible to wipe baffles clean using only a damp cloth.

SONEXone Baffles are equipped with integrated straps and grommets for easy installation on ceiling-mounted cables or chains. Baffles can be aligned in the same direction or arranged so that every other baffle is turned 90 degrees. For detailed installation instructions, please see our Baffle Installation Guide.

California State University – Dominguez Hills



willtec meets ASTM E 84 Class 1 fire rating.



SONEXone™ baffles in music room.



## Applications

- Multipurpose rooms and gymnasiums
- Large classrooms or music rooms
- Manufacturing facilities
- Aquatic centers and indoor pools
- Any large, open room with reverberation problems

## Physical Data — willtec® foam

Material	Open-cell melamine-based foam
Density	0.5 to 0.7 lbs./cubic ft. (ASTM D3574-77)
Long Term Service Temperature	302 degrees F
Fire Resistance	Class 1 per ASTM E 84 (all finishes) Meets UL 1715 (willtec natural )
Flame Spread per ASTM E 84	Natural: 5 Painted: 10 Hypalon®-coated: 25
Smoke Density per ASTM E 84	Natural: 50 Painted: 10 Hypalon-coated: 65
Microbial Growth	Passes UL 181, section 11
Fungus Resistance	Rating 0 per ASTM G21
Finishes	Natural (white and light grey), painted or Hypalon-coated

## Sound Absorption

Finish	Thickness	Sabins per Baffle per ASTM C423-90a						Average
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	
Natural (white and light grey)	3"	2.3	5.7	10.5	15.3	18.6	24.8	12.9
Painted (charcoal, beige, brown or blue)	3"	1.1	4.2	12.5	20.9	22.8	21.6	15.1
Hypalon-coated (black, grey, white or almond)	3"	.076	3.96	10.92	18.2	18.45	18.05	12.9

## Other Products

illbruck acoustic, inc. manufactures a broad range of attractive, acoustic ceiling tiles, wall panels and baffles for commercial and industrial applications, including:

- SQUARELINE® Metal Ceiling Tiles
- CONTOUR®, HARMONI™ and WHITELINE® Ceiling Tiles
- illbruck Ceiling Grids
- FABRITEC™ Wall Panels
- SONEX® Panels and Curtains
- PROSPEC® Barriers, Foams and Composites