



AEOLIAN™ SOUND DIFFUSER

Acoustics First® Aeolian™ Diffusers use a mix of technologies to create an organic quadratic diffuser. Similar to the Art Diffuser Model D mathematically, the Aeolian™ is a bicubic interpolation of a Prime Quadratic Diffuser, bridging the mathematical with the artistic. This combination creates a smoother frequency transition, wider operating range, and more forgiving diffusion pattern.

The Aeolian™ uses a unique design process that incorporates "implied symmetry" to defeat lobing problems. The entire diffuser is asymmetric, including the edges. Each edge is designed to vary in height by less than the width of the flange gap, creating an "implied symmetry, without actually being symmetric.

CONSTRUCTION:

Aeolian: 2 Dimensional Organic Quadratic

Size: 23 5/8" x 23 5/8"

Depth: 5"

Weight: 4 pound

Mount: Direct mount (wall or ceiling) or Drop in ceiling Grid.

Material: Thermoplastic (White)

Bandwidth: 1 kHz to 16 kHz

Fire Rating: *Class A Material*

Application: Recording & Broadcast Studios
Practice/Rehearsal Rooms
Home Entertainment Rooms



Sound Absorption Coefficients – Aeolian Performance							
Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
Type A Mount	0.55	0.24	0.22	0.16	0.10	0.13	0.20
E400 Mount	0.40	0.26	0.26	0.25	0.17	0.15	0.25
E400 w/Insulation	0.41	0.24	0.25	0.25	0.17	0.15	0.25

**Note: Diffusion data available upon request*