

# KINETICS NOISE CONTROL

## Geometric Diffusers

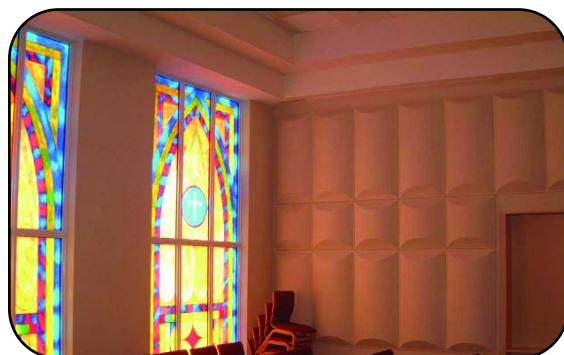


The shaped surfaces of Kinetics' Geometric Diffusers break up direct sound reflections and disburse them more evenly throughout the listening space.



Random disbursement of sound reflections greatly improves sound quality and consistency for the listener. That's why Kinetics' Geometric Diffusers are perfect for band and choral rehearsal rooms and performance spaces. The shaped surfaces of the Diffusers break up direct sound reflections and disburse them evenly throughout the listening space. Auditoriums will benefit with the use of Diffusers on the rear and side walls.

Available in two standard shapes, offset pyramidal and radius, Geometric Diffusers are commonly used in conjunction with Kinetics' acoustical wall panels; a combination of sound diffusion and absorption that greatly improves overall room acoustics. Kinetics' Diffusers are also used in lay-in 15/16" standard grid ceilings.



Diffusers are provided in a white thermo-molded co-polymer. Optional painted surfaces are available as approved by the factory. All Radius and Pyramidal Diffusers are available with an optional fabric facing using factory approved materials.



6300 Irelan Place  
Dublin, OH 43017  
1.800.959.1229 Toll-Free  
[www.kineticsnoise.com](http://www.kineticsnoise.com)

**Over 50 years of success solving acoustic and noise control problems!**

**Description**

Geometric sound diffusers for wall mounting or lay-in ceiling

**Composition**

- 0.125" thick, thermo-molded plastic
- Optional fabric facing with factory in-stock fabric by Guilford of Maine, or factory-approved, customer-selected material
- Optional painted finish as approved by factory
- Optional fiberglass batt insulation can be bonded to concave rear surface of diffusers
- Radius Diffusers available in 2' x 2', 3' x 3', 2' x 4', 3' x 4', 4' x 4', 3' x 6', and 4' x 6' (nominal sizes)
- Offset Pyramidal Diffusers available in 2' x 2', 2' x 4' and 4' x 4' (nominal sizes)

**Fire Test Data**

Class A per ASTM E84

**Applications**

- Areas where more consistent sound levels across a wide frequency range are desired
- Auditoriums/Lecture Halls
- Band/Choral Rehearsal Rooms (*Walls/Ceilings*)
- Music Performance Spaces

**Mounting**

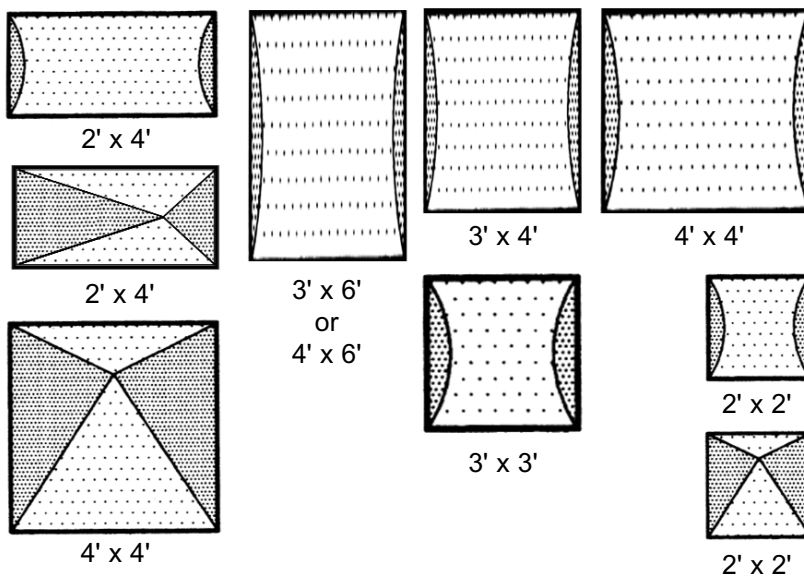
Wall Mounting with Z-Clip and angle brackets.  
Lay-in ceiling with 15/16" suspension grid.

**Acoustical Performance**

Per ASTM C423. Thermo-mold plastic units.

Frequency, HZ	125	250	500	1000	2000	4000	NRC
A Mounting (Flush to Wall)	0.48	0.12	0.10	0.05	0.03	0.03	<b>0.10</b>
E400 Mounting	0.36	0.15	0.09	0.07	0.05	0.10	<b>0.10</b>
J Mounting (Flush to Wall, panel array staggered) w/ fiberglass fill and fabric facing	1.11	0.43	0.34	0.24	0.18	0.19	<b>0.30</b>

**Standard Thermo-Molded Co-Polymer Diffusers**



**Note:** Actual width and length dimensions for all diffusers except the 4' x 6' model are 1/4" less than the nominal dimensions listed. This allows for installation in a lay-in ceiling grid.

Download the Specification in CSI Masterformat at [www.kineticsnoise.com](http://www.kineticsnoise.com)

