Place the Tuned Absorber/Diffuser where low and mid-frequency absorption is desired in conjunction with increasing reflectivity and diffusion in higher frequencies. The outstanding acoustical performance of this panel is the result of the assembly of a sound absorptive fibrous core covered with a variable impedance laminate. Openings in the laminate are sized and spaced to optimize the absorption in low to mid frequencies while creating random higher frequency reflective surfaces between openings (variable impedance). A design program is utilized to acoustically optimize the hole pattern in the laminate while maintaining the desired overall open versus reflective area in the panel surface. For increased low frequency sound absorption, a thicker fibrous core (2 to 4 inches) can be specified. For increased high frequency absorption, the hole size can be changed to 5/8 inch diameter versus the standard 1/2 inch opening.
TECHNICAL INFORMATION

Please contact your factory representative for design layout, specifications and pricing.

TAD 5/16

Tuned Absorber/Diffuser (TAD) Panel

Description
A versatile absorber/diffuser panel wrapped in a wide selection of fabrics or vinyls. Available with hardened shaped edges. Engineered to control room acoustics with thicknesses from 1 to 4 inches and sizes up to 4 ft. x 8 ft. Standard sizes (in feet) are 2 x 2, 2 x 4, 4 x 4, 4 x 6 and 4 x 8. Custom sizes available.

Composition
6-7 PCF density fiberglass core • Chemically hardened edges • Perforated laminate face with randomized pattern of 1/2 inch diameter holes, 5/8 inch optional • Fabric faced with factory in-stock fabric by Guilford of Maine, or factory-approved customer-selected material

Acoustical Performance
Panel Wrapped in woven polyester fabric.

Applications
• Interior surfaces where superior acoustical performance is required.
• Conference Rooms
• Schools/Classrooms
• Auditoriums
• Media and Multi-Purpose Rooms
• Churches
• Office Spaces
• Reception Areas
• Home Theatres
• Pro Theatres

Mounting
HardSide Impaling Clips with Adhesive Rotofast Clips Z-Clips - movable Velcro - movable

Edge Options
Square
Bevel
Radius
Pencil

Cross-Section of Tuned Absorber/Diffuser

Download the Specification in CSI Masterformat at www.kineticsnoise.com

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