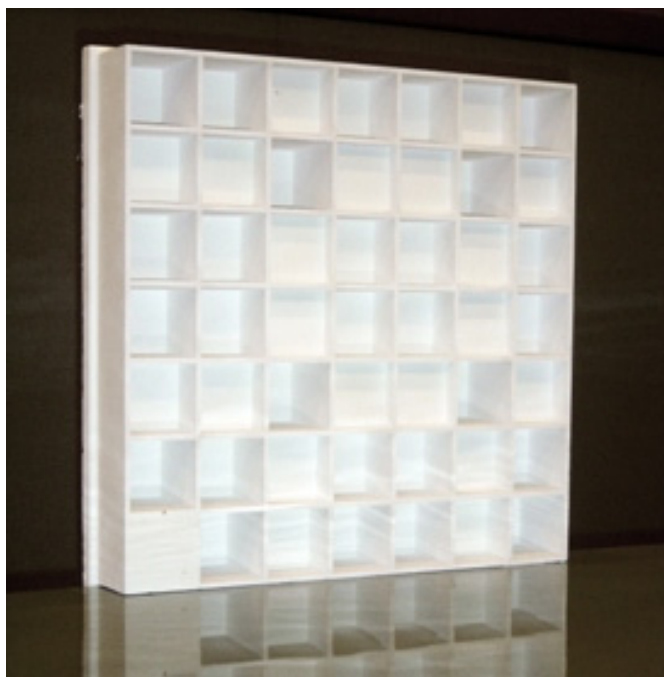


QR™ 2-D

Two Dimensional Quadratic Residue Diffuser



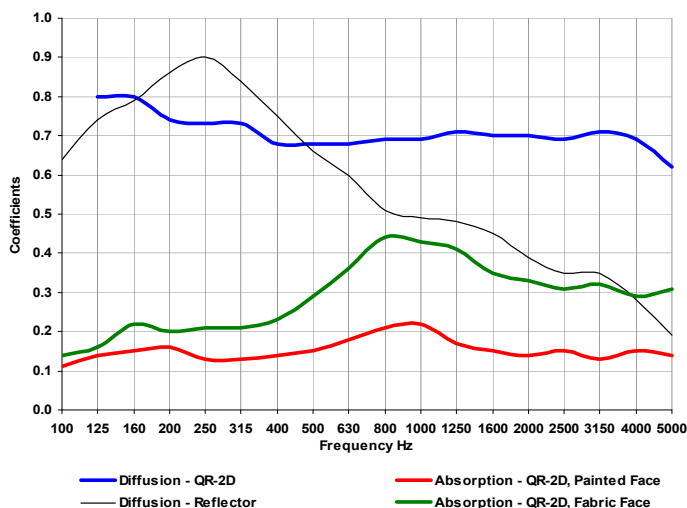
QR™ 2-D Two Dimensional Diffuser

Lightweight for Ceiling and Wall Installations
White textured finish; fabric and colors optional

Thickness:	4"
Sizes (Nominal):	23-3/4" x 23-3/4"
Weight:	8 lbs
Fire Performance Rating:	Class A
Ceiling Grid Mounting:	Tegular or Flush Mount
Wall Mounting:	Wall Brackets

Acoustical Performance

Frequency (Hz)	125	250	500	1K	2K	4K
Diffusion Coefficients	.80	.73	.68	.69	.70	.69
Absorption Coefficients	.14	.13	.15	.22	.14	.15



Description

The AVL Systems QR™ 2-D Diffuser is a cost effective, light-weight, broadband acoustical product that diffuses sound uniformly from all angles of incidence. It's attractive design can be installed in standard ceiling grid (tegular or flat mount) or to most any architectural wall or ceiling surface. This product's design is optimized with the use of quadratic residue number theory and computer modeling analysis, then precisely manufactured to provide desirable, two-dimensional, wide-range diffusive scattering of the returned acoustical sound energy. Finished panel is constructed of advanced impact-resistant, process-molded materials that prevent resonances and resist damage. The face has an attractive, lightly textured white painted finish that can be field-painted if desired or, factory-faced with standard or customer-specified fabrics and finishes. AVL Systems QR™ 2-D Diffusers are supplied to standard sizes as specified and are ready for installation with attachment devices to existing walls or in standard grid ceiling systems.

Applications

AVL Systems QR™ 2-D Diffusers are ideal for rooms and spaces where sound and noise control are a consideration. The design of these products allows the specifier to provide uniform broadband diffusion in all directions to help scatter and blend the sounds in the room for the listening enjoyment of both music and speech. These functions help performers hear themselves with others and serves to improve clarity and tonal separation for voice, music, and performances.

Interactive System Performance

The AcousTech™ family of interactive performance products is designed to provide the acoustical engineer and specifier with a complete "toolbox" of technically compatible products for any application. These engineered products can be used individually or, as an interactive system, working together to optimally enhance the interior design, functionality, and acoustics of the architectural space. AVL Systems, Inc. is pleased to offer a full range of standard and custom architectural acoustic products for virtually every application and technical requirement.

Finishes

White lightly textured painted finish standard. Optional choices include a wide selection of AVL Systems standard fabrics or CO.M. Designers selection and C.O.M.. See Section 7.0

Warranty

AVL Systems *Limited Warranty* extends for TWO FULL YEARS from the original date of shipment. AVL Systems literature, presentations and published data are correct to the best of our knowledge at time of publication. AVL Systems, Inc. reserves the right to change or amend any of the products or the information presented or published without liability or notice.



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