

QR DiSorb™

Quadratic Residue Diffuser-Absorber

Acoustical Performance

(Absorption Coefficients, Type A Mounting)

Frequency (Hz)	125	250	500	1K	2K	4K	NRC
QR DiSorb™	.49	.70	1.28	1.15	1.16	1.15	1.05

QR DiSorb™ Diffuser-Absorber

Quadratic Residue Prime 7 Sequence Diffusion with Absorption
Lightweight for Ceiling and Wall Installations

Decorative standard fabric facings or Designer's selection/ COM

Thickness: 4"

Sizes (Nominal): Any size up to 48" x 120"

Special Sizes: Available upon request

Fire Performance Rating: Class A



Description

The AVL Systems QR DiSorb™ Diffuser-Absorber is a light weight, decorative, absorption phase grating product for mounting to most any architectural surface and includes placement in standard ceiling grids. This product's design utilizes the high absorption qualities of AVL Systems absorptive core materials in a quadratic residue design derived from mathematical number theory sequences, then precisely manufactured to provide a combination of near field diffusion and broadband absorption; all in one product. The complete panel core is inert, non-combustible and dimensionally stable. Finished panels are constructed of thermo-molded materials to prevent resonances and resist damage. Facings are factory - applied with standard or customer specified fabrics. AVL Systems QR DiSorb™ Diffuser-Absorbers are supplied to standard or custom sizes as specified for walls and ceilings.

Applications

AVL Systems QR DiSorb™ Diffuser-Absorbers are ideal for rooms and spaces where sound and noise control are a consideration. The design of these products allows the specifier to provide a combination of absorption and 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 QR™ and DiSorb™ families of interactive performance products are 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

A wide selection of AVL Systems' standard fabrics. Optional choices include Designer's 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.

Hear
The
Difference



AVL Systems, Inc.

5540 Southwest 6th Place / Ocala, Florida 34474 USA

Phone: 800-ACUSTIC / Fax: 352-854-1278

www.AVLonline.com / Email: info@AVLonline.com