

Prime7 DiSorb™ Quadratic Residue Diffuser-Absorber

AVL Systems' Prime7 DiSorb™ Diffuser-Absorber is **Technical Features & Information**

a lightweight, decorative, absorption phase grating product for mounting to most any architectural surface, including 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. 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' Prime7 DiSorb™

Diffuser-Absorbers are supplied to standard or custom sizes as specified for walls and ceilings.



Interactive Product Performance

The Prime7™ and DiSorb™ families 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 acoustical products for virtually every application and technical requirement.

- Quadratic Residue Prime7 Sequence Diffusion with Absorption
- Lightweight for Ceiling and Wall Installations
- Decorative Fabric Facings or Designer Selection/ C.O.M.
- Thickness: 4"
- Sizes: Any size up to 48" x 120"
- Special Sizes: Available Upon Request
- Fire Performance: Class A

Acoustical Performance - (Absorption Coefficients - Type A Mounting)

Frequency (Hz)	125	250	500	1K	2K	4K	NRC
Prime7 DiSorb™	0.49	0.7	1.28	1.15	1.16	1.15	1.05

Applications

AVL Systems' Prime7 DiSorb™ Diffuser-Absorbers are ideal for rooms and spaces where sound and noise 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.

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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