

# Binary DiSorb™

## Diffuser - Absorber

### Acoustical Performance (Absorption Coefficients)

Frequency (Hz)	125	250	500	1K	2K	4K	NRC
Binary DiSorb™ 1"	.19	.38	.92	1.04	.83	.62	.80
Binary DiSorb™ 2"	.47	.82	1.05	1.02	.84	.65	.95
Binary DiSorb™ 3"	.69	.99	1.00	1.05	.84	.64	1.00
Binary DiSorb™ 4"	.93	.92	1.07	1.04	.84	.63	1.00
Binary DiSorb™ (diffusion, all)	.06	.14	.30	.62	.55	.45	

### Binary DiSorb™ Diffuser - Absorber

Lightweight for Ceiling and Wall Installations

Decorative standard fabric facings or Designer's selection/ COM

Thickness: 1", 2", 3", 4"

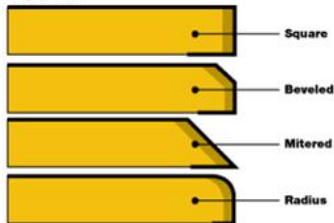
Sizes (Nominal): Any size up to 48" x 120"

Special Sizes: Available upon request

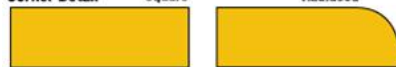
Fire Performance Rating: Class A

Installation fasteners: Mechanical, impaling, Velcro, magnetic

#### Edge Detail



#### Corner Detail



### Description

The AVL Systems Binary DiSorb™ Diffuser-Absorber is a light weight, decorative, acoustical control product for mounting to most any flat architectural surface. This product's design is optimized with the inclusion of a binary number generated panel component, then precisely manufactured to provide the desirable wide-range diffusive scattering of the returned acoustical sound energy and moderate absorption; all from one product. The complete panel core is inert, non-combustible and dimensionally stable. Finished panels are constructed of impact-resistant, thermo-molded materials to prevent resonances and resist damage. Facings are factory - applied with standard or customer specified fabrics. AVL Systems Binary DiSorb™ Diffuser-Absorbers are supplied to standard sizes as specified and are ready for installation with attachment devices to existing walls and/or ceilings.

### Applications

AVL Systems Binary 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 absorption and 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 DiSorb™ 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

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