



**BINARY DISORB™ FLAT OR CONVEX<sup>+</sup>**

## KEY FEATURES

- Tuned, Lightweight Diffuser-Absorber for Ceiling & Wall Installations
- Available as a Flat Panel or Convex Shape
- Concealed Screen Component of Optimized, Semi-Random Perforation Patterns to Balance & Promote Desirable Diffusive Back-Scattering of Mid & High Frequency Sound Energy Along with Providing Frequency-Discriminate Sound Absorption
- Binary DiSorb™ Convex<sup>+</sup> Utilizes Its Curved Face to Further Increase Back-Scattering of Sound Energy
- Decorative Fabric Facings from Guilford of Maine as well as Designer Selections from Maharam, Carnegie, DesignTex, Knoll, & More!
- Custom-Printed Digital Imaging Available
- Standard and Custom Sizes & Shapes Available
- LEED Credit Eligibility With Installation of These Products

## TECHNICAL FEATURES

- **Core:** 6-7 PCF Fiberglass
- **Core Facing:** Concealed Screen Component of Optimized, Semi-Random Perforation Patterns
- **Thickness (Nominal):** 1", 2", 3", 4"
- **Sizes (Nominal):** Any Size Up to 48" x 120"
- **Special Sizes & Shapes:** Available Upon Request
- **Fabric:** Decorative Fabric Facings, Designer Selection or C.O.M.  
**Standard:** Guilford FR701-2100 Series / **Premium:** Guilford Anchorage 2335
- **Fasteners:** Z-Clip, Z-Bar, Impaling, Hook & Loop
- **Dimensional Tolerance:** +/- 1/16" (.0625")
- **Fire Performance:** Class 1/A, UL 723 / ASTM E84

## ACOUSTICAL DATA

Acoustical Performance - Absorption Coefficients							
Frequency (Hz)	125	250	500	1K	2K	4K	NRC
Binary DiSorb™ 1.1	0.19	0.38	0.92	1.04	0.83	0.62	0.80
Binary DiSorb™ 2.1	0.47	0.82	1.05	1.02	0.84	0.65	0.95
Binary DiSorb™ 3.1	0.69	0.99	1.00	1.05	0.84	0.64	1.00
Binary DiSorb™ 4.1	0.93	0.92	1.07	1.04	0.84	0.63	1.00

  

Acoustical Performance - Scattering							
Frequency (Hz)	125	250	500	1K	2K	4K	8K
Binary DiSorb™ 1.1	0.00	0.00	0.02	0.09	0.03	0.15	0.17

## LEED CREDITS

- Schools EQ Prerequisite 3 & Credit 9
- MR 4.1 & 4.2
- MR 5.1 & 5.2
- IEQ 4.1 & 4.2
- Innovation in Design (ID)

## WARRANTY

AVL Systems' *Limited Warranty* extends for ONE FULL YEAR from the original date of shipment.

**58% TOTAL RECYCLED CONTENT\***  
31% Pre-Consumer Recycled  
27% Post-Consumer Recycled

\* Standard materials have dimensional and weight variations. Calculations are approximate and represent material averages to the best of our knowledge.