



DISORB™ CONVEX DIFFUSER-ABSORBER

KEY FEATURES

- Convex-Shaped Diffuser-Absorber
- Lightweight Systems for Ceiling & Wall Installations
- Durable and Resistant to Damage
- Standard White with Lemon-Peel Texture
- Wide Selection of Standard & Custom Colors, Textures & Finishes
- Decorative Fabric Facings from Guilford of Maine as well as Designer Selections from Maharam, Carnegie, DesignTex, Knoll, & More!
- Standard and Custom Sizes Available
- Easy to Install as Ceiling Lay-In or with Fully-Concealed Mounting Hardware Included
- Provides Desirable Wide-Range Diffusive Scattering of Returned Acoustical Sound Energy and Moderate Sound Absorption

TECHNICAL FEATURES

- **Core:** Molded FRP Polymer Shell
- **Depth:** Varies Based on Size and Type
- **Sizes (Nominal):** 1'x2', 2'x2', 2'x4', 2'x6', 2'6"x4', 3'x3', 3'x4', 3'x6', 3'x8', 3'6"x3'6", 4'x4', 4'x5', 4'x6', 4'x8', 4'x10'
- **Custom Sizes:** Available Upon Request
- **Finish:** Standard White, Custom Color Gel Coat, Optional Fabric Facings
Standard Fabric: Guilford FR701-2100 Series
Standard Premium Fabric: Guilford Anchorage 2335
- **Texture:** Standard Lemon-Peel
- **Fasteners:** L-Clips, Ceiling Lay-In, Z-Clip, Z-Bar
- **Dimensional Tolerance:** +/- 1/4" (.25")
- **Fire Performance:** Class 1/A, UL 723 / ASTM E84

ACOUSTICAL DATA

Acoustical Performance - Absorption Coefficients							
Frequency (Hz)	125	250	500	1K	2K	4K	NRC
DiSorb™ Type A (Wall Mount FG Backed w/ Z-Clips OR Wall Mount FG Infill w/ L-Clips)	0.62	0.51	0.32	0.25	0.19	0.23	0.30
DiSorb™ Type U (Wall Mount Unbacked w/ L-Clips)	0.24	0.18	0.10	0.07	0.06	0.04	0.10
DiSorb™ Type W (Ceiling Lay-In)	0.18	0.20	0.12	0.07	0.07	0.05	0.10

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 original date of shipment.