

# Product Performance Specifications

## AVL Systems, Inc.

### Diffusion Coefficients (Hz)

Products	Construction	Thickness	Facing & Features	125	250	500	1K	2K	4K	8K
DiSorb Type A	Inert, Non-Combustible Thermo-Molded Resins	4" - 7-1/2"	TEXTURED WHITE or FABRIC	.33	.33	.33	.33	.32	.32	.32
DiSorb Type B	Inert, Non-Combustible Thermo-Molded Resins	4" - 7-1/2"	TEXTURED WHITE or FABRIC	.30	.30	.30	.30	.30	.30	.30
DiSorb Type C	Inert, Non-Combustible Thermo-Molded Resins	4" - 7-1/2"	TEXTURED WHITE or FABRIC	.30	.30	.30	.30	.31	.30	.30
DiSorb Type D	Inert, Non-Combustible Thermo-Molded Resins	4" - 7-1/2"	TEXTURED WHITE or FABRIC	.30	.30	.30	.30	.30	.30	.30
DiSorb Type W	Inert, Non-Combustible Thermo-Molded Resins	4" - 7-1/2"	TEXTURED WHITE or FABRIC	.27	.27	.27	.27	.27	.27	.27
Binary DiSorb	7 lb/ft <sup>3</sup> Glass Fiberboard w/ Binary Component	1"	FABRIC Diffuser-Absorber	.06	.14	.30	.62	.55	.45	.45
Binary DiSorb	7 lb/ft <sup>3</sup> Glass Fiberboard w/ Binary Component	2"	FABRIC Diffuser-Absorber	.06	.14	.30	.62	.55	.45	.45
Binary DiSorb	7 lb/ft <sup>3</sup> Glass Fiberboard w/ Binary Component	3"	FABRIC Diffuser-Absorber	.06	.14	.30	.62	.55	.45	.45
Binary DiSorb	7 lb/ft <sup>3</sup> Glass Fiberboard w/ Binary Component	4"	FABRIC Diffuser-Absorber	.06	.14	.30	.62	.55	.45	.45
Pyramid	Inert, Non-Combustible Thermo-Molded Resins	6" or 12"	TEXTURED WHITE or FABRIC	.79	.81	.80	.80	.61	.37	.33
Prime7-2D	Inert, Non-Combustible Thermo-Molded Resins	4-1/8"	WHITE or FABRIC	.74	.73	.68	.68	.70	.67	.62
Prime7	Inert, Non-Combustible Thermo-Molded Resins	4"	WHITE, FABRIC, WOOD	.68	.75	.85	.82	.72	.59	.31
Prime7-F <sup>e</sup>	Inert, Non-Combustible Wood or Molded Polymers	1-1/16"	WHITE or WOOD			.37	.59	.69	.79	.74

Notes: Sound Diffusion Coefficients Determined in Accordance with AES-41d-2001, Information Documentation for Room Acoustics & Sound Reinforcement Systems—Characterization & Measurement of Surface Scattering Uniformity Test Instrumentation TEF 20 DSP Serial 010290. Average incidence diffusion coefficients obtained from an average of 35 measurements of incidence angles at 5 degree intervals between +/- 85 degrees.

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