AVL SYSTEMS, INC

PRODUCT PERFORMANCE SPECIFICATIONS

AVL Systems, Inc		1-800-ACUSTIC		Diffusion Coefficients						
Products	**Construction**	**Thickness**	**Facing & Features**	**125Hz**	**250Hz**	**500Hz**	**1000Hz**	**2000Hz**	**4000Hz**	**8000Hz**
DiSorb Type A	Inert, Non-Combustible Thermo-Molded Resins	4" – 7-1/2"	FABRIC or TEXTURED WHITE	.33	.33	.33	.33	.32	.32	.32
DiSorb Type B	Inert, Non-Combustible Thermo-Molded Resins	4" – 7-1/2"	FABRIC or TEXTURED WHITE	.30	.30	.30	.30	.30	.30	.30
DiSorb Type C	Inert, Non-Combustible Thermo-Molded Resins	4" – 7-1/2"	FABRIC or TEXTURED WHITE	.30	.30	.30	.30	.31	.30	.30
DiSorb Type D	Inert, Non-Combustible Thermo-Molded Resins	4" – 7-1/2"	FABRIC or TEXTURED WHITE	.30	.30	.30	.30	.30	.30	.30
DiSorb Type W	Inert, Non-Combustible Thermo-Molded Resins	4" – 7-1/2"	FABRIC or TEXTURED WHITE	.27	.27	.27	.27	.27	.27	.27
Binary DiSorb	7lb/ft^3 Glass Fiberboard w/ Binary Component	1""	FABRIC Diffuser-Absorber	.06	.14	.30	.62	.55	.45	.45
Binary DiSorb	7lb/ft^3 Glass Fiberboard w/ Binary Component	2""	FABRIC Diffuser-Absorber	.06	.14	.30	.62	.55	.45	.45
Binary DiSorb	7lb/ft^3 Glass Fiberboard w/ Binary Component	3""	FABRIC Diffuser-Absorber	.06	.14	.30	.62	.55	.45	.45
Binary DiSorb	7lb/ft^3 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"	FABRIC or TEXTURED WHITE	.79	.81	.80	.80	.61	.37	.33
QR 2-D	Inert, Non-Combustible Thermo-Molded Resins	4-1/4"	WHITE or FABRIC	.74	.73	.68	.68	.70	.67	.62
QR Diffuser	Inert, Non-Combustible Thermo-Molded Resins	4"	WHITE, FABRIC, or WOOD	.68	.75	.85	.82	.72	.59	.31
QR-FE	Inert, Non-Combustible Thermo-Molded Resins	1-1/16"	WHITE or WOOD			.37	.59	.69	.79	.74

Notes: Sound Diffusion Coefficients Determined in Accordance with AES-4id-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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