



**AVL SYSTEMS, INC**  
**PRODUCT PERFORMANCE SPECIFICATIONS**

<b>AVL Systems, Inc</b>				<b>Absorption Coefficients</b>							
<b>Products</b>	<b>Construction</b>	<b>Thickness</b>	<b>Facing &amp; Features</b>	<b>125Hz</b>	<b>250Hz</b>	<b>500Hz</b>	<b>1000Hz</b>	<b>2000Hz</b>	<b>4000Hz</b>	<b>N.R.C.</b>	
ATP .75	7lb/ft <sup>3</sup> Glass Fiberboard	3/4"	FABRIC Standard Applications	.08	.26	.71	.98	1.01	10.3	.75	
ATP 1.0	7lb/ft <sup>3</sup> Glass Fiberboard	1"	FABRIC Standard Applications	.07	.45	.95	1.07	1.07	1.18	.90	
ATP 1.0	7lb/ft <sup>3</sup> Glass Fiberboard	1"	VINYL Standard Applications	.13	.31	.80	1.05	1.15	1.45	.90	
ATP 1.0R	Hard Fiber Board	1"	FABRIC or VINYL Reflective Panel	.24	.19	.14	.09	.13	.10	.15	
ATP 1.1	7lb/ft <sup>3</sup> Glass Fiberboard w/ High-Density Face	1-1/8"	FABRIC High Impact Panel	.19	.54	.97	1.10	1.13	1.42	.95	
ATP 1.5	7lb/ft <sup>3</sup> Glass Fiberboard	1-1/2"	FABRIC Standard Applications	.29	.73	1.13	1.16	1.10	1.18	1.05	
ATP 1.6	7lb/ft <sup>3</sup> Glass Fiberboard w/ High Density Face	1-5/8"	FABRIC High Impact Panel	.36	.78	1.13	1.10	1.15	1.39	1.05	
ATP 2.0	7lb/ft <sup>3</sup> Glass Fiberboard	2"	FABRIC Standard Applications	.38	.96	1.16	1.16	1.11	1.28	1.10	
ATP 2.0	7lb/ft <sup>3</sup> Glass Fiberboard	2"	VINYL Standard Applications	.39	.94	1.19	1.18	1.17	1.43	1.10	
ATP 2.0L	7lb/ft <sup>3</sup> Glass Fiberboard w/ Low Freq Component	2"	VINYL Low Frequency Absorption	.61	.49	.44	.27	.18	.17	.40	
ATP 2.1	7lb/ft <sup>3</sup> Glass Fiberboard w/ High Density Face	2-1/8"	FABRIC High Impact Panel	.54	1.01	1.16	1.11	1.19	1.59	1.10	
ATP 3.0	7lb/ft <sup>3</sup> Glass Fiberboard	3"	FABRIC Standard Applications	.49	1.12	1.23	1.07	1.01	1.05	1.10	
ATP 4.0	7lb/ft <sup>3</sup> Glass Fiberboard	4"	FABRIC Standard Applications	.67	1.16	1.37	1.21	1.19	1.22	1.15	
DiSorb Type A	Inert, Non-Combustible Thermo-Molded Resins	4" – 7-1/2"	TEXTURED WHITE or FABRIC	.80	.54	.34	.23	.11	.00	.30	
DiSorb Type B	Inert, Non-Combustible Thermo-Molded Resins	4" – 7-1/2"	TEXTURED WHITE or FABRIC	.81	.64	.55	.46	.39	.38	.50	
DiSorb Type C	Inert, Non-Combustible Thermo-Molded Resins	4" – 7-1/2"	TEXTURED WHITE or FABRIC	.69	.59	.34	.25	.16	.19	.35	
DiSorb Type D	Inert, Non-Combustible Thermo-Molded Resins	4" – 7-1/2"	TEXTURED WHITE or FABRIC	.14	.12	.09	.07	.07	.05	.10	
DiSorb Type W	Inert, Non-Combustible Thermo-Molded Resins	4" – 7-1/2"	TEXTURED WHITE or FABRIC	.18	.20	.12	.07	.07	.05	.10	
DiSorb Custom	Inert, Non-Combustible Thermo-Molded Resins	4" – 7-1/2"	TEXTURED WHITE or FABRIC	varies	varies	varies	varies	varies	varies	varies	
Binary DiSorb	7lb/ft <sup>3</sup> Glass Fiberboard w/ Binary Component	1-1/8"	FABRIC Diffuser-Absorber	.19	.38	.92	1.04	.83	.62	.80	
Binary DiSorb	7lb/ft <sup>3</sup> Glass Fiberboard w/ High Density Face	2-1/8"	FABRIC Diffuser-Absorber	.47	.82	1.05	1.02	.84	.65	.95	
Pressure Zone Absorber	Multi-Component with Tuned Diaphragm	12" x 16"	FABRIC Low Frequency Absorber	.61	.39	.22	.20	.20	.22	.25	
Pyramid	Inert, Non-Combustible Thermo-Molded Resins	6" or 12"	TEXTURED WHITE or FABRIC	.26	.19	.14	.10	.05	.08	.15	
QR 2-D	Inert, Non-Combustible Thermo-Molded Resins	4-1/8"	WHITE (Fabric Optional)	.14	.13	.15	.22	.14	.15	.15	
QR Diffuser	Inert, Non-Combustible Thermo-Molded Resins	4"	WHITE, FABRIC, WOOD	.49	.41	.37	.35	.20	.21	.35	
QR-FE	Inert, Non-Combustible Wood or Molded Polymers	1-1/16"	WOOD, WHITE PAINTABLE	.04	.05	.06	.08	.09	.04	.05	
SoundSorb	1-1/2, 3, 6lb/ft <sup>3</sup> Fiberboard	3"	VINYL, FABRIC	.36	.89	1.45	1.78	1.72	1.43	1.45	
StudioTile	4- 6lb/ft <sup>3</sup> Fiberboard	1", (2")	FABRIC, PAINTED SCRIM, Ceiling	.87	.98	1.01	1.04	1.12	1.01	1.05	

Notes: Sound Absorption Coefficients for products shown are from tests performed in accordance with ASTM C-423 in a Type A mounting.  
 Fabric Used for tests: Interface FR-701. Test report copies available upon request.