

Product Performance Specifications

AVL Systems, Inc.

Absorption Coefficients (Hz)

Products	Construction	Thickness	Facing & Features	Absorption Coefficients (Hz)						
				125	250	500	1K	2K	4K	NRC
ATP .75	7 lb/ft ³ Glass Fiberboard	3/4"	FABRIC Standard Applications	.08	.26	.71	.98	1.01	1.03	.75
ATP 1.0	7 lb/ft ³ Glass Fiberboard	1"	FABRIC Standard Applications	.07	.45	.95	1.07	1.07	1.18	.90
ATP 1.0	7 lb/ft ³ 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	7 lb/ft ³ 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	7 lb/ft ³ Glass Fiberboard	1-1/2"	FABRIC Standard Applications	.29	.73	1.13	1.16	1.10	1.18	1.05
ATP 1.6	7 lb/ft ³ 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	7 lb/ft ³ Glass Fiberboard	2"	FABRIC Standard Applications	.38	.96	1.16	1.16	1.11	1.28	1.10
ATP 2.0	7 lb/ft ³ Glass Fiberboard	2"	VINYL Standard Applications	.39	.94	1.19	1.18	1.17	1.43	1.10
ATP 2.0L	7 lb/ft ³ Glass Fiberboard w/ Low Freq Component	2"	VINYL Low Frequency Absorption	.61	.49	.44	.27	.18	.17	.40
ATP 2.1	7 lb/ft ³ 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	7 lb/ft ³ Glass Fiberboard	3"	FABRIC Standard Applications	.49	1.12	1.23	1.07	1.01	1.05	1.10
ATP 4.0	7 lb/ft ³ 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	7 lb/ft ³ Glass Fiberboard w/ Binary Component	1-1/8"	FABRIC Diffuser-Absorber	.19	.38	.92	1.04	.83	.62	.80
Binary DiSorb	7 lb/ft ³ 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 Absorption	.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
Prime7-2D	Inert, Non-Combustible Thermo-Molded Resins	4-1/8"	WHITE (Fabric Optional)	.14	.13	.15	.22	.14	.15	.15
Prime7	Inert, Non-Combustible Thermo-Molded Resins	4"	WHITE, FABRIC, WOOD	.49	.41	.37	.35	.20	.21	.35
Prime7-F ^e	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, 6 lb/ft ³ Fiberboard	3"	VINYL, FABRIC	.36	.89	1.45	1.78	1.72	1.43	1.45
Studio Tile	4-6 lb/ft ³ 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 FR701. Test report copies available upon request.

