

Absorption Coefficients of Common Building Materials

MFG	Description	Thickness	Mounting	Unit Size	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz
Alpro Flat Baf	Perforated steel panel, 1.5 pcf. fiberglass backing 2" thick, covered by .75 mil PVC	2.00	A	24 x 108	0.44	0.62	0.94	0.99	0.79	0.59
Alpro Flat Baf	Perforated steel panel, 1.5 pcf fiberglass backing, 2" thick	2.00	A	24 x 108	0.21	0.66	1.13	1.14	1.00	0.90
Alpro Flat Baf	Perforated A1. panel, with corrugations .63" deep, 1.5 pcf 2" fiberglass backing	2.00	E-400	36 x 96	0.72	0.98	1.00	1.07	1.02	0.84
ASCPac Acustadek B	Steel deck, perforated webs, absorptive backing	1.50	A	108 x 96	0.23	0.67	1.21	0.82	0.46	0.24
ASCPac Acustadek B	Steel deck, total perforated absorptive backing	1.50	A	108 x 96	0.23	0.48	0.92	0.97	0.95	0.76
ASCPac Acustadek BF	Steel deck, pan perforated absorptive backing	1.50	A	108 x 96	0.53	0.58	0.75	0.97	0.86	0.57
ASCPac Acustadek N	Steel deck, perforated webs, absorptive backing	3.00	A	108 x 96	0.38	0.94	1.18	0.90	0.44	0.24
ASCPac Acustadek N	Steel deck, total perforated absorptive backing	3.00	A	108 x 96	0.43	0.61	1.01	1.05	1.00	0.76
ASCPac Acustadek NF	Steel deck, pan perforated absorptive backing	3.00	A	108 x 96	0.80	0.78	1.16	0.88	0.69	0.47
AWI Type 2906	Fiberglass panel with perforated vinyl film facing	0.63	E-400	24 x 48	0.68	0.68	0.67	0.84	0.86	0.71
AWI Type 2907	Vinyl-faced fiberglass with vinyl film facing	0.63	E-400	24 x 48	0.53	0.37	0.50	0.82	0.82	0.72
AWI Type 2921	Vinyl membrane facing over fiberglass lay-in panel	1.50	E-400	24 x 48	0.57	0.79	0.77	0.90	0.71	0.47
AWI Type 2925	Vinyl-film-faced, fiberglass lay-in panel	1.00	E-400	24 x 48	0.55	47.00	0.72	0.80	0.74	0.54
AWI Type 2942	Fiberglass lay-in panel with microperforated vinyl facing	1.50	E-400	24 x 48	0.62	0.83	0.90	1.10	1.06	0.94
AWI Type 2946	Microperforated vinyl film-faced fiberglass panel	1.00	E-400	24 x 48	0.77	0.89	0.75	1.01	1.04	0.93
AWI Type 3101	Cloth-faced, fiberglass lay-in panel, painted	0.75	E-400	24 x 48	0.71	0.87	0.62	0.86	0.96	1.07
AWI Type 3103	Woven glass fibers adhered to fiberglass board, painted	1.00	E-400	24 x 48	0.70	0.95	0.75	0.99	1.04	1.01
AWI Type 3105	Cloth-faced fiberglass lay-in panel, factory painted	1.50	E-400	24 x 48	0.74	0.97	0.85	1.03	1.05	1.00
AWI Type 3301	Cloth-faced, fiberglass lay-in panel, painted	0.75	E-400	24 x 48	0.48	0.35	0.71	0.96	1.05	1.04
AWI Type 537	Fissured mineral fiber, fire-resistive lay-in panel	0.63	E-400	24 x 48	0.35	0.34	0.48	0.69	0.88	0.92
AWI Type 584	Mineral fiber lay-in panel with factory-applied paint	0.75	E-400	24 x 48	0.29	0.33	0.53	0.73	0.86	0.92
AWI Type 602	Ceramic and mineral fiber, non-combustible, lay-in panel	0.63	E-400	24 x 48	0.23	0.24	0.50	0.77	0.91	0.86
AWI Type 704	Fissured mineral fiber, "Cortega" lay-in panel	0.63	E-400	24 x 48	0.35	0.27	0.47	0.65	0.74	0.82
AWI Type 737	Surface-textured, mineral, "Minatex" lay in panel	0.63	E-400	24 x 48	0.36	0.28	0.47	0.65	0.76	0.82
AWI Type 769	Fissured mineral fiber, "Cortega" lay in panel	0.63	E-400	24 x 48	0.31	0.32	0.51	0.72	0.74	0.77
AWI Type 775	Surfaced-textured, mineral, "Minatex" lay in panel	0.63	E-400	24 x 48	0.30	0.28	0.43	0.64	0.76	0.68
AWI Type 821	Mineral fiber, lay-in, with polymeric membrane	0.63	E-400	24 x 48	0.29	0.54	0.30	0.79	0.78	0.60
AWI Type 823	Fissured mineral fiber, fire-resistive lay-in panel	0.63	E-400	24 x 48	0.33	0.36	0.50	0.78	0.84	0.84
AWI Type 863	Vinyl-faced aluminum surface mineral fiber, lay-in panel	0.63	E-400	24 x 48	0.35	0.36	0.55	0.90	0.74	0.46
BHS Limpet	Spray-on mineral-fiber material	2.50	A	NONE	0.05	0.30	0.75	1.00	1.07	1.05
BHS Pyrok	Spray-on, medium structure material	2.00	A	NONE	0.06	0.14	0.30	0.59	0.92	0.56
BradIns	Glasswool building blanket	(50)	A	120cm x 15m	0.68	0.75	1.05	1.04	1.05	1.11
BradIns	Glasswool building blanket with perforated foil facing	(50)	A	120cm x 15m	0.55	0.69	1.07	1.07	0.99	1.00
BradIns	Glasswool building blanket with perforated foil facing	(50)	A	120cm x 15m	0.56	1.03	0.93	0.41	0.21	0.14
BradIns	Glasswool building blanket with perforated foil facing	(75)	A	120cm x 15m	0.47	0.87	1.09	1.03	0.97	0.86
BradIns	Glasswool building blanket with perforated foil facing	(100)	A	120cm x 15m	0.75	0.93	1.14	1.04	1.03	0.97
BradIns	Suspended rockwool panels enclosed in polypropylene film	(50)	hung	50cm x 120cm	0.18	0.44	0.83	1.25	1.14	0.96
BradIns	Glasswool building blanket with perforated foil facing	(75)	A	120cm x 15m	0.47	0.96	1.11	1.05	1.01	0.88
BradIns Fibertex 350	Rockwool blanket	(25)	A	90cm x 150cm	0.18	0.29	0.69	0.86	1.05	1.20
BradIns Fibertex 350	Rockwool blanket	(50)	A	90cm x 150cm	0.29	0.70	1.19	1.04	1.14	1.06
BradIns Fibertex 350	Rockwool blanket	(75)	A	90cm x 150cm	0.60	1.03	1.13	0.99	1.07	1.01
BradIns Fibertex R4	Duct liner	(25)	A	120cm x 150 cm	0.18	0.29	0.69	0.86	1.05	1.20

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BradIns Fibertex R4	Duct liner	(50)	A	120cm x 150cm	0.29	0.70	1.20	1.04	1.14	1.06
BradIns Fibertex R4	Duct liner, perforated foil facing	(25)	A	120cm x 150cm	0.36	0.21	0.30	0.97	1.06	0.67
BradIns Fibertex R4	Duct liner, perforated foil facing	(50)	A	120cm x 150cm	0.31	0.83	1.15	0.99	0.90	0.78
BradIns Fibertex R6	Duct liner	(25)	A	120cm x 150cm	0.11	0.20	0.80	1.10	1.02	1.12
BradIns Fibertex R6	Duct liner	(50)	A	120cm x 150cm	0.36	0.91	1.19	1.20	1.07	1.05
BradIns Fibertex R6	Duct liner, perforated foil facing	(25)	A	120cm x 150cm	0.12	0.27	0.80	1.17	1.16	0.80
BradIns Fibertex R6	Duct liner, perforated foil facing	(50)	A	120cm x 150cm	0.26	0.91	1.10	1.00	1.08	0.85
BradIns Flexitel	Glasswool building blanket	(25)	A	120cm x 15m	0.33	0.28	0.61	0.89	1.01	1.05
BradIns Flexitel	Glasswool building blanket	(25)	A	120cm x 15m	0.03	0.33	0.68	1.04	1.15	0.95
BradIns Flexitel	Glasswool building blanket	(50)	A	120cm x 15m	0.42	0.64	0.92	1.07	0.98	1.02
BradIns Flexitel	Glasswool building blanket	(50)	A	120cm x 15m	0.39	0.84	1.08	1.20	1.06	1.01
BradIns Supertel	Glasswool blanket	(25)	A	120cm x 240cm	0.12	0.41	0.63	0.90	1.01	0.99
BradIns Supertel	Glasswool blanket with perforated foil facing	(25)	A	120cm x 240cm	0.08	0.39	0.73	1.02	1.12	0.84
BradIns Supertel	Glasswool blanket with perforated foil facing	(25)	A	120cm x 240cm	0.13	0.32	0.59	0.83	0.99	0.97
BradIns Supertel	Glasswool blanket with 23um Mylar film facing	(25)	A	120cm x 240cm	0.15	0.45	0.67	1.07	1.08	0.71
BradIns Supertel	Glasswool blanket with 50 um Mylar film facing	(25)	A	120cm x 240cm	0.13	0.44	0.92	1.14	0.82	0.45
BradIns Supertel	Glasswool blanket with 23um Mylar film facing	(50)	A	120cm x 240cm	0.20	0.55	1.20	1.15	1.04	0.83
BradIns Supertel	Glasswool blanket with 59um Mylar film facing	(50)	A	120cm x 240cm	0.30	0.60	1.16	1.07	0.85	0.59
CA	Perforated steel panel backed by 4" layer of 3.5 pcf USG Thermafiber in Mylar	4.50	A	48 x 108	0.52	0.37	0.64	0.60	0.56	0.29
CA	Perforated steel panel backed by 2" layer of 2 pcf OCF Type RA-23 Fiberglas	2.50	A	96 x 108	0.31	0.82	1.19	1.12	1.07	1.06
CA	Perforated steel panel backed by 4" layer of 2 pcf OCF Type RA-23 Fiberglas	4.50	A	48 x 108	0.86	1.09	1.22	1.06	1.05	1.04
Conweb Tufflex G-37	Cellulose, nonwoven panel core	1.00	A	NONE	0.12	0.29	0.65	0.94	1.05	0.91
Conweb Tufflex G-37	Cellulose, nonwoven panel core	0.75	A	NONE	0.12	0.16	0.55	0.72	0.91	0.89
Conweb Tufflex G-40	Cellulose, nonwoven panel core	0.63	A	NONE	0.15	0.13	0.42	0.72	0.93	0.87
CTeed IB150	Unfaced fiberglass board, bonded with thermosetting resin	1.00	A	24 x 48	0.19	0.62	0.72	0.82	0.88	0.89
CTeed IB150	Unfaced fiberglass board, bonded with thermosetting resin	1.50	A	24 x 48	0.19	0.51	0.82	0.86	0.95	0.97
CTeed IB150	Unfaced fiberglass board, bonded with thermosetting resin	2.50	A	24 x 48	0.41	0.78	0.96	0.94	0.93	0.97
CTeed IB150	Unfaced fiberglass board, bonded with thermosetting resin	2.50	F-25	24 x 48	0.54	0.85	0.97	0.96	0.93	0.97
CTeed IB200	Unfaced fiberglass board, bonded with thermosetting resin	1.00	A	24 x 48	0.15	0.55	0.73	0.86	0.92	0.94
CTeed IB250	Unfaced fiberglass board, bonded with thermosetting resin	1.00	A	24 x 48	0.25	0.52	0.71	0.83	0.89	0.95
CTeed IB250	Unfaced fiberglass board, bonded with thermosetting resin	1.00	A	24 x 48	0.08	0.33	0.69	0.81	0.92	0.97
CTeed IB250	Unfaced fiberglass board, bonded with thermosetting resin	3.00	A	24 x 48	0.44	0.91	1.07	0.99	1.02	0.99
CTeed IB300	Unfaced fiberglass board, bonded with thermosetting resin	1.00	A	24 x 48	0.19	0.49	0.69	0.87	0.92	0.94
CTeed IB420	Unfaced fiberglass board, bonded with thermosetting resin	1.00	A	24 x 48	0.33	0.40	0.70	0.94	1.00	0.98
CTeed IB420	Unfaced fiberglass board, bonded with thermosetting resin	1.50	A	24 x 48	0.09	0.45	0.91	0.99	1.02	0.96
CTeed IB420	Unfaced fiberglass board, bonded with thermosetting resin	3.00	A	24 x 48	0.54	1.01	1.05	0.98	1.01	0.97
CTeed IB600	Unfaced fiberglass board, bonded with thermosetting resin	1.00	A	24 x 48	0.12	0.52	0.68	0.87	0.93	0.99
CTeed IB600	Unfaced fiberglass board, bonded with thermosetting resin	2.50	A	24 x 48	0.53	0.99	1.02	0.84	1.00	0.94
CTeed MBP	Fiberglass blanket, flexible, unfaced	3.50	A	rolls	0.38	0.90	1.00	0.93	0.94	0.99
CTeed MBP	Fiberglass blanket, flexible, unfaced	5.00	A	rolls	0.68	1.11	1.06	0.94	1.00	0.97
CTeed MBP	Fiberglass blanket, flexible, unfaced	6.00	A	rolls	0.88	1.19	1.03	0.96	1.02	1.00
CTeed Ultracoustic	Fiberglass blanket with flexible internal septum	3.00	A	roll	0.43	0.91	0.99	0.98	0.95	0.93
CTeed Ultralite	Fiberglass duct liner with surface coating	1.00	F-25	roll	0.34	0.42	0.47	0.84	0.80	0.79
CTeed Ultralite	Fiberglass duct liner with surface coating	1.50	F-25	roll	0.29	0.55	0.72	0.85	0.89	0.89
CTeed Ultralite	Fiberglass duct liner with surface coating	2.00	F-25	roll	0.32	0.71	0.83	0.91	0.95	1.01
CTeed Ultralite	Fiberglass duct liner with surface coating	1.00	F-25	roll	0.23	0.47	0.57	0.74	0.85	0.87

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CTeed Ultralite	Fiberglass duct liner with surface coating	1.50	F-25	roll	0.33	0.57	0.79	0.91	0.92	0.89
CTeed Ultralite	Fiberglass duct liner with surface coating	2.00	F-25	roll	0.39	0.69	0.92	0.98	0.93	1.00
CTeed Ultralite	Fiberglass duct liner with surface coating	1.00	F-25	roll	0.23	0.47	0.61	0.79	0.88	0.91
CTeed Ultralite	Fiberglass duct liner with surface coating	1.50	F-25	roll	0.37	0.63	0.80	0.90	0.89	0.90
CTeed Ultralite	Fiberglass duct liner with surface coating	2.00	F-25	roll	0.36	0.79	0.96	0.99	0.93	0.97
CTeed Ultralite	Fiberglass duct liner with surface coating	1.00	A	roll	0.10	0.28	0.50	0.70	0.82	0.83
CTeed Ultralite	Fiberglass duct liner with surface coating	1.50	A	roll	0.20	0.40	0.71	0.86	0.91	0.85
CTeed Ultralite	Fiberglass duct liner with surface coating	2.00	A	roll	0.22	0.49	0.83	0.89	0.89	0.91
CTeed Ultralite	Fiberglass duct liner with surface coating	1.00	A	roll	0.10	0.29	0.59	0.72	0.83	0.84
CTeed Ultralite	Fiberglass duct liner with surface coating	1.50	A	roll	0.20	0.42	0.80	0.93	0.93	0.88
CTeed Ultralite	Fiberglass duct liner with surface coating	2.00	A	roll	0.24	0.57	0.90	0.95	0.95	0.96
CTeed Ultralite	Fiberglass duct liner with surface coating	1.00	A	roll	0.05	0.25	0.57	0.78	0.87	0.89
CTeed Ultralite	Fiberglass duct liner with surface coating	1.50	A	roll	0.20	0.46	0.82	0.94	0.95	0.91
CTeed Ultralite	Fiberglass duct liner with surface coating	2.00	A	roll	0.27	0.72	1.04	1.02	0.96	0.92
CTeed Ultralite	Unfaced fiberglass blanket	1.00	A	roll	0.06	0.20	0.29	0.40	0.50	0.54
CTeed Ultralite	Unfaced fiberglass blanket	1.00	A	roll	0.09	0.23	0.45	0.61	0.70	0.76
CTeed Ultralite	Unfaced fiberglass blanket	1.00	A	roll	0.12	0.31	0.50	0.68	0.77	0.79
CTeed Ultralite	Unfaced fiberglass blanket	1.00	A	roll	0.06	0.25	0.54	0.75	0.84	0.90
CTeed WP16	Unfaced semirigid fiberglass board	3.00	A	24 x 48	0.43	0.83	1.02	0.95	0.97	0.99
Drupa Silencio	Perforated steel panel with acoustic resonators	3.00	UNE 74041	90 x 90	0.05	0.15	0.45	0.90	0.90	0.75
E-A-R Tufcote	Type E-100Sm polyether urethane foamA1. polyester surface	1.00	A	54 x 22ft	0.20	0.81	0.61	0.73	0.71	0.69
E-A-R Tufcote	Type E-100Cm polyether urethane foam, 1 mil clear polyester surface	1.00	A	54 x 22ft	0.17	0.74	0.63	0.78	0.69	0.73
E-A-R Tufcote	Type E-100RM polyether urethane foam, reinforced polyester surface	1.00	A	54 x 22ft	0.21	0.52	0.71	0.87	0.75	0.66
E-A-R Tufcote	Type E-100SF polyether urethane foam, textured surface	1.00	A	54 x 22ft	0.17	0.25	0.73	1.14	0.99	1.02
EAS M-90 Panel	Perforated steel panel backed with 6 pcf mineral fiber	2.50	A	NONE	0.36	1.01	1.23	1.14	1.02	0.78
EAS M-90 Panel	Perforated steel panel backed with 6 pcf mineral fiber	3.50	A	NONE	0.81	1.25	1.17	1.16	1.05	0.82
Epic E450A	Perforated steel roof deck, backed by fiberglass	4.50	A	NONE	0.37	0.57	0.91	0.70	0.52	0.49
Epic EP150A	Perforated steel roof deck, backed by fiberglass	1.50	A	NONE	0.20	0.33	0.74	1.00	0.57	0.41
Epic EP300K	Perforated steel roof deck, backed by fiberglass	3.00	A	NONE	0.44	0.89	1.06	0.73	0.47	0.25
Epic EP450A	Perforated steel roof deck, backed by fiberglass	4.50	A	NONE	0.85	1.14	1.29	1.10	0.92	0.74
Epic EP750A	Perforated steel roof deck, backed by fiberglass	7.50	A	NONE	0.48	0.77	0.88	0.86	0.70	0.60
Epic EPICORE-A	Perforated steel roof deck, backed by fiberglass	2.00	A	NONE	0.10	0.21	0.79	0.98	0.95	0.86
Epic ER2RA	Perforated steel roof deck, backed by fiberglass	2.00	A	NONE	0.26	0.60	1.18	0.98	1.00	0.91
Epic ESC2SSA	Perforated steel roof deck, backed by fiberglass	2.00	A	NONE	0.96	1.02	1.02	1.08	0.95	0.79
Farbo Vicracoustic	Trimline panel, polyester covering	0.50	A	96 x 108	0.04	0.11	0.38	0.80	0.98	1.04
Farbo Vicracoustic	Trimline panel, perforated vinyl wall covering	0.50	A	.96 x 108	0.00	0.15	0.56	0.93	0.94	0.78
Flumroc Ecco	Dammplatte, rockwool fiber	(30)	A	6cm x 10cm	0.08	0.34	0.81	0.97	1.02	0.98
Flumroc Ecco	Dammplatte, rockwool fiber	(50)	A	6cm x 10cm	0.18	0.77	1.01	1.04	0.97	0.97
Flumroc Ecco	Dammplatte, rockwool fiber	(100)	A	6cm x 10cm	0.60	0.97	1.00	1.00	0.99	1.00
Flumrock 341	Dachdammplatte, rockwool fiber	(60)	A	6cm x 10cm	0.40	0.66	0.73	0.81	0.85	0.91
Flumrock 341	Dachdammplatte, rockwool fiber	(80)	A	6cm x 10cm	0.49	0.66	0.78	0.89	0.92	0.97
Flumrock 341	Dachdammplatte, rockwool fiber	(100)	A	6cm x 10cm	0.47	0.59	0.72	0.81	0.86	0.89
Flumrock Iglu	Dammplatte, rockwool fiber	(30)	A	6cm x 10cm	0.08	0.38	0.85	0.98	0.99	1.00
Flumrock Iglu	Dammplatte, rockwool fiber	(50)	A	6cm x 10cm	0.22	0.81	0.95	0.95	0.96	0.94
Flumrock Iglu	Dammplatte, rockwool fiber	(100)	A	6cm x 10cm	0.60	0.84	0.90	0.95	0.97	0.99
G+H Isover	Type P3/V mineral wool	(200)	A	various	0.10	0.26	0.53	0.71	0.84	0.96

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G+H Isover	Type P3/V mineral wool	(50)	A	various	0.26	0.60	0.95	1.07	1.01	1.04
G+H Isover	Type P3/V mineral wool	(20)	A	various	0.07	0.21	0.56	0.85	0.97	1.07
G+H Isover	Type P3/V mineral wool	(50)	A	various	0.26	0.80	1.07	1.13	1.01	1.06
G+H Isover	Type P4/TRHV 50 mineral wool	(50)	A	various	0.19	0.58	0.95	1.01	0.98	0.96
G+H Isover	Type P4/TRHV 50 mineral wool	(50)	A	various	0.23	0.70	1.05	1.05	1.02	1.04
G+H Isover	Type P4/TRHV 50 mineral wool	(50)	A	various	0.29	0.75	0.98	1.02	1.01	0.98
G+H Isover	Type P4/TRHV 50 mineral wool	(50)	A	various	0.25	0.73	1.03	1.13	1.01	1.05
IAC Mark III	Perforated metal ceiling panel backed with fiberglass	2.00	E-400	24 x 48	0.63	0.71	0.98	1.11	1.03	1.08
IAC Mark III	Perforated metal ceiling panel backed with fiberglass	3.00	E-400	24 x 48	0.56	0.84	1.16	1.16	0.92	0.82
ICC K13	Cellulose-base fiber, white sprayed-on "carpet" finish	1.00	A	NONE	0.19	0.60	1.05	1.11	1.03	0.98
ICC K13	Cellulose-base fiber, white sprayed-on "carpet" finish	3.00	A	NONE	0.59	0.99	1.04	1.03	1.00	0.98
ICC K13FC	Cellulose-base fiber, white, sprayed on, textured finish	0.75	E-400	NONE	0.25	0.36	0.74	0.98	0.99	0.99
ICC K13FC	Cellulose-base fiber, white, sprayed on, textured finish	1.00	A	NONE	0.12	0.38	0.88	1.16	1.15	1.12
ICC K13FC/Dura-K	Cellulose-base fiber, white, sprayed on, textured finish	0.50	A	NONE	0.15	0.16	0.46	0.87	1.07	1.12
ImiTech Solimide AC-403	Polimide foam	2.00	A	96 x 96	0.23	0.51	0.96	1.04	0.93	0.96
ImiTech Solimide TA-301	Polimide foam	2.00	A	96 x 96"	0.30	0.49	0.89	0.97	0.84	0.88
INC 24G baffles	Hanging panels, 1.55 pef fiberglass in polyethylene casing 0.002" thick	1.50	hung	24 x 48	0.32	0.59	1.49	1.53	1.36	0.59
INC 27E baffles	Hanging panels, 2.70 pef fiberglass in polyethylene casing 0.003" thick	1.50	hung	24 x 48	0.32	0.62	1.27	1.48	0.86	0.46
INC 27G baffles	Hanging panels, 2.70 pef fiberglass in polyethylene casing 0.002" thick	1.50	hung	24 x 48	0.31	0.61	1.28	1.64	1.42	1.03
INC K-10M	Aluminated mylar-faced polyether foam	1.00	A	1 x 54 or 100ft	0.10	0.57	0.57	0.39	0.68	0.35
Isover Climatel S	Fiberglass construction	(25)	NONE	1.2m x 12m	0.14	0.25	0.56	0.81	0.88	0.90
Isover PB A	Fiberglass construction	(50)	NONE	0.6m x 1.25m	0.59	0.75	0.63	0.60	0.39	0.26
Isover PB R	Fiberglass construction	(80)	NONE	0.6m x 1.25m	0.60	1.10	1.07	0.94	0.96	0.94
Knauf	Rigid plenum liner	1.00	A	24 or 48 x 36 to 120	0.13	0.24	0.56	0.83	0.92	0.98
Knauf	Rigid plenum liner	1.50	A	24 or 48 x 36 to 120	0.19	0.41	0.89	1.02	1.03	1.04
Knauf	Rigid plenum liner	2.00	A	24 or 48 x 36 to 120	0.33	0.67	1.07	1.07	1.03	1.06
Knauf	Fiberglass insulation board, unfaced	0.75	A	48 x 96 / 48 x 120	0.00	0.15	0.48	0.72	0.86	0.97
Knauf	Fiberglass insulation board, unfaced	1.00	A	48 x 96 / 48 x 120	0.10	0.26	0.60	0.85	0.99	0.96
Knauf	Fiberglass insulation board, unfaced	1.50	A	48 x 96 / 48 x 120	0.35	0.46	0.86	0.98	1.02	1.04
Knauf	Fiberglass insulation board, unfaced	2.00	A	48 x 96 / 48 x 120	0.18	0.59	1.03	1.14	1.06	0.99
Knauf	Fiberglass insulated board, unfaced	1.00	A	48 x 96 / 48 x 120	0.19	0.32	0.71	0.98	1.10	0.98
Knauf	Fiberglass insulated board, unfaced	1.00	A	48 x 96 / 48 x 120	0.07	0.24	0.69	0.88	0.98	1.03
Knauf Metal Bldg Insulation	Fiberglass blanket, max width: 72", max length: 150'	2.00	A	roll	0.25	0.48	0.81	0.90	0.97	0.94
Knauf Metal Bldg Insulation	Fiberglass blanket, max width: 72", max length: 150'	3.00	A	roll	0.36	0.76	1.04	0.94	0.98	1.00
Knauf Metal Bldg Insulation	Fiberglass blanket, max width: 72", max length: 150'	4.00	A	roll	0.59	1.01	0.97	0.96	1.06	1.08
Knauf Metal Bldg Insulation	Fiberglass blanket, max width: 72", max length: 150'	6.00	A	roll	1.18	1.36	1.02	1.02	1.12	1.07
Knauf Type EI475	Air duct board, one side faced with foil-scrim-Kraft vapor retarder	1.00	A	48 x 96 / 48 x 120	0.27	0.46	0.64	0.90	0.98	0.96
Knauf Type KN	Fiberglass acoustical blanket, max width: 96", max length: 125'	1.00	A	roll	0.12	0.18	0.51	0.72	0.78	0.86
Knauf Type KN	Fiberglass acoustical blanket, max width: 96", max length: 125'	1.50	A	roll	0.20	0.42	0.82	0.87	0.94	0.91
Knauf Type KN	Fiberglass acoustical blanket, max width: 96", max length 125'	1.00	A	roll	0.17	0.24	0.62	0.79	0.88	0.96
Knauf Type KN	Fiberglass acoustical blanket, max width: 96", max length 125'	1.50	A	roll	0.31	0.50	0.89	0.98	1.01	1.01
Knauf Type KN	Fiberglass acoustical blanket, max width: 96", max length 125'	1.00	A	roll	0.03	0.28	0.56	0.82	0.90	0.94
Knauf Type KN	Fiberglass acoustical blanket, max width: 96", max length 125'	1.50	A	roll	0.21	0.51	0.97	1.08	1.07	1.06
Knauf Type KN	Fiberglass duct, wrap	1.50	F-25	roll	0.35	0.64	0.69	0.76	0.79	0.81
Knauf Type KN	Fiberglass duct, wrap	2.00	F-25	roll	0.43	0.74	0.83	0.87	0.88	0.88
Knauf Type KN	Fiberglass duct, wrap	1.50	F-25	roll	0.41	0.69	0.77	0.86	0.90	0.85

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Knauf Type KN	Fiberglass duct, wrap	2.00	F-25	roll	0.45	0.78	0.88	0.90	0.91	0.91
Knauf Type M	Duct liner, matte facing	1.00	A	roll	0.17	0.35	0.59	0.81	0.90	0.94
Knauf Type M	Duct liner, matte facing	1.50	A	roll	0.35	0.51	0.83	0.93	0.97	0.96
Knauf Type M	Duct liner, matte facing	2.00	A	roll	0.34	0.64	0.96	1.03	1.00	1.03
Knauf Type M	Duct liner, matte facing	0.50	A	roll	0.09	0.14	0.40	0.60	0.73	0.82
Knauf Type M	Duct liner, matte facing	1.00	A	roll	0.25	0.35	0.69	0.89	0.96	1.01
Knauf Type M	Duct liner, matte facing	1.50	A	roll	0.27	0.55	0.87	0.99	1.00	0.98
MFG Fibroplank	Type M-173, wood fibers with portland cement binder	1.50	A	96 x 108	0.09	0.21	0.42	1.00	0.58	0.80
MFG Fibroplank	Similar to above but with 2.5 fiberglass batts in cavities between furring	1.50	A	96 x 108	0.39	0.82	1.23	0.75	0.81	0.92
MFG Fibroplank	Type M-173, wood fibers with portland cement binder	2.00	A	96 x 108	0.13	0.23	0.62	1.03	0.61	0.81
MFG Fibroplank	Type M-173, wood fibers with portland cement binder	2.50	A	96 x 108	0.15	0.32	0.78	0.85	0.73	0.88
MFG Fibroplank	Type M-173, wood fibers with portland cement binder	3.00	A	96 x 108	0.20	0.30	0.89	0.70	0.88	0.92
MvL Linacoustic	Mat-faced, smooth; duct liner	1.00	A	rolls	0.08	0.26	0.58	0.84	0.96	0.99
MvL Linacoustic	Mat-faced, smooth; duct liner	1.50	A	rolls	0.17	0.53	0.87	0.99	1.00	0.95
MvL Linacoustic	Mat-faced, smooth; duct liner	2.00	A	rolls	0.22	0.69	1.02	1.08	1.05	1.08
MvL Linacoustic	Mat-faced, smooth, R duct liner	1.00	A	rolls	0.09	0.32	0.68	0.88	0.97	1.03
MvL Linacoustic	Mat-faced, smooth, R duct liner	1.50	A	rolls	0.07	0.52	0.94	1.02	1.02	1.04
MvL Linacoustic	Permacote, coated, smooth duct liner	1.00	A	rolls	0.99	0.09	0.67	0.89	1.03	0.99
MvL Linacoustic	Permacote, coated, smooth duct liner	1.50	A	rolls	0.16	0.51	0.90	1.05	1.06	1.01
MvL Linacoustic	Permacote, coated, smooth duct liner	2.00	A	rolls	0.23	0.73	1.05	1.13	1.06	1.07
MvL Linacoustic	Permacote, coated, smooth HP duct liner	1.00	A	rolls	0.09	0.31	0.69	0.91	1.02	1.03
MvL Linacoustic	Permacote, coated, smooth R-300 duct liner	1.00	A	rolls	0.08	0.32	0.72	0.99	1.07	1.00
MvL Linacoustic	Permacote, coated, smooth R-300 duct liner	1.50	A	rolls	0.15	0.63	1.01	1.07	1.01	0.88
MvL Linacoustic	Permacote, coated, smooth R-300 duct liner	2.00	A	rolls	0.27	0.81	1.11	1.13	1.06	1.05
MvL Linacoustic	Permacote, coated, smooth R-300 duct liner	1.00	F-25	rolls	0.53	0.39	0.70	1.00	1.09	1.01
MvL Linacoustic	Permacote, coated, smooth R-300 duct liner	1.50	F-25	rolls	0.60	0.58	1.01	1.09	1.01	0.90
MvL Linacoustic	Permacote, coated, smooth R-300 duct liner	2.00	F-25	rolls	0.67	0.77	1.13	1.14	1.09	1.06
MvL Micro-Aire	Type 475 FSK, coated duct board	1.00	A	to 48 x 120	0.06	0.22	0.61	0.86	1.00	1.04
MvL Micro-Aire	Type 800 FSK, coated duct board	1.00	A	to 48 x 120	0.01	0.23	0.67	0.98	1.05	1.06
MvL Micro-Aire	Type 800 FSK, coated duct board	1.50	A	to 48 x 120	0.11	0.45	0.99	1.11	1.09	1.07
MvL Micro-Aire	Type 475 FSK, coated duct board	1.00	F-25	to 48 x 120	0.46	0.30	0.58	0.85	1.00	1.03
MvL Micro-Aire	Type 800 FSK, coated duct board	1.00	F-25	to 48 x 120	0.29	0.42	0.70	1.00	1.06	1.08
MvL Micro-Aire	Type 800 FSK, coated duct board	1.50	F-25	to 48 x 120	0.46	0.58	0.95	1.10	1.08	1.09
MvL Microlite	Fiberglass blanket	1.00	A	roll	0.12	0.31	0.56	0.73	0.83	0.88
MvL Microlite	Fiberglass blanket	1.50	A	roll	0.19	0.53	0.81	0.91	0.94	0.98
MvL Microlite	Fiberglass blanket	2.00	A	roll	0.23	0.65	0.90	0.98	0.98	1.01
MvL Microlite	Fiberglass blanket	1.00	A	roll	0.08	0.34	0.59	0.75	0.86	0.81
MvL Microlite	Fiberglass blanket	1.00	A	roll	0.11	0.30	0.66	0.88	1.00	1.01
MvL Microlite	Fiberglass blanket	1.00	A	roll	0.11	0.35	0.77	1.01	1.04	1.05
MvL Microlite	Fiberglass blanket	1.00	F-25	roll	0.17	0.59	0.57	0.65	0.75	0.83
MvL Microlite	Fiberglass blanket	1.50	F-25	roll	0.24	0.66	0.72	0.81	0.89	0.93
MvL Microlite	Fiberglass blanket	2.00	F-25	roll	0.27	0.80	0.88	0.96	1.01	1.05
MvL Microlite	Fiberglass blanket	3.00	F-25	roll	0.41	1.02	1.03	1.02	1.02	1.10
MvL Microlite	Fiberglass blanket	1.00	F-25	roll	0.12	0.57	0.60	0.73	0.86	0.93
MvL Microlite	Fiberglass blanket	1.00	F-25	roll	0.11	0.57	0.69	0.87	0.96	1.02
MvL Microlite	Fiberglass blanket	1.00	F-25	roll	0.15	0.59	0.74	0.93	1.01	1.06

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MvL Microlite	Fiberglass blanket	1.00	F-405	roll	0.30	0.38	0.61	0.80	0.89	0.97
MvL Microlite	Fiberglass blanket	1.50	F-405	roll	0.30	0.53	0.79	0.93	0.98	1.03
MvL Microlite	Fiberglass blanket	2.00	F-405	roll	0.48	0.66	0.92	0.98	1.00	1.07
MvL Microlite	Fiberglass blanket	1.00	F-405	roll	0.26	0.39	0.62	0.81	0.88	0.84
MvL Microlite	Fiberglass blanket	1.00	F-405	roll	0.33	0.40	0.70	0.92	0.99	1.06
MvL Microlite	Fiberglass blanket	1.00	F-405	roll	0.27	0.37	0.67	0.92	1.02	1.09
MvL Microlite	Fiberglass blanket	1.00	F-405	roll	0.25	0.36	0.79	1.03	1.09	1.13
MvL Spin-Glas	Fiberglass board	1.00	A	various	0.07	0.30	0.71	0.96	1.03	1.05
MvL Spin-Glas	Fiberglass board	1.00	A	various	0.04	0.43	0.86	1.00	0.99	1.00
MvL Spin-Glas	Fiberglass board	2.00	A	various	0.32	0.89	1.06	1.01	1.04	1.06
MvL Spin-Glas	Fiberglass board, Percipitator series	2.00	A	various	0.20	0.85	1.11	1.11	1.07	1.07
MvL Spin-Glas	Fiberglass board, 1000 Series	2.00	A	various	0.24	1.05	1.16	1.12	1.08	1.07
MvL Spin-Glas	Fiberglass board, 1000 Series	3.00	A	various	0.58	1.21	1.11	1.08	1.07	1.08
MvL SuperDuct	Type 475 FSK coated duct board	1.00	A	to 48 x 120	0.11	0.29	0.81	1.05	1.09	1.01
MvL SuperDuct	Type 800 FSK, coated duct board	1.00	A	to 48 x 120	0.09	0.22	0.78	1.00	1.08	1.02
MvL SuperDuct	Type 800 FSK, coated duct board	1.50	A	to 48 x 120	0.17	0.61	1.03	1.12	1.02	0.89
MvL SuperDuct	Type 475 FSK, coated duct board	1.00	F-25	to 48 x 120	0.52	0.40	0.74	1.03	1.06	1.02
MvL SuperDuct	Type 800 FSK, coated duct board	1.00	F-25	to 48 x 120	0.52	0.37	0.70	1.01	1.07	1.01
MvL SuperDuct	Type 800 FSK, coated duct board	1.50	F-25	to 48 x 120	0.54	0.58	1.02	1.14	1.01	0.92
MvL Tuf-Skin	Semirigid fiberglass blanket	1.00	A	roll	0.10	0.34	0.64	0.85	0.98	1.04
MvL Tuf-Skin	Semirigid fiberglass blanket	2.00	A	roll	0.19	0.71	1.02	1.14	1.07	1.05
MvLc Linacoustic	Mat-faced, smooth, HP duct Liner	1.00	A	rolls	0.05	0.29	0.61	0.87	0.98	0.98
OC Aeroflex Plus Type 150	Fiberglas duct liner with surface coating	1.00	A	rolls	0.18	0.19	0.48	0.65	0.78	0.88
OC Aeroflex Plus Type 150	Fiberglas duct liner with surface coating	1.50	A	rolls	0.21	0.35	0.66	0.81	0.89	0.95
OC Aeroflex Plus Type 150	Fiberglas duct liner with surface coating	2.00	A	rolls	0.25	0.47	0.76	0.94	0.95	0.98
OC Aeroflex Plus Type 200	Fiberglas duct liner with surface coating	1.00	A	rolls	0.07	0.25	0.54	0.73	0.83	0.95
OC Aeroflex Plus Type 200	Fiberglas duct liner with surface coating	1.50	A	rolls	0.17	0.39	0.72	0.88	0.95	0.96
OC Aeroflex Plus Type 200	Fiberglas duct liner with surface coating	2.00	A	rolls	0.24	0.53	0.83	0.99	0.98	1.00
OC Aeroflex Plus Type 300	Fiberglas duct liner with surface coating	1.00	A	rolls	0.10	0.25	0.55	0.79	0.86	0.96
OC Duct Board	Fiberglas duct liner board	1.00	A	24 x 48 / 48 x 96	0.03	0.22	0.60	0.84	0.98	0.97
OC Duct Board	Fiberglas duct liner board	1.50	A	24 x 48 / 48 x 96	0.16	0.39	0.91	1.01	1.01	1.01
OC Duct Board	Fiberglas duct liner board	2.00	A	24 x 48 / 48 x 96	0.24	0.79	1.13	1.13	1.04	1.05
OC Type 701	Flexible insulation board	1.00	A	24 x 48	0.17	0.33	0.64	0.83	0.90	0.92
OC Type 701	Flexible insulation board	2.00	A	24 x 48	0.22	0.67	0.98	1.02	0.98	1.00
OC Type 701	Flexible insulation board	3.00	A	24 x 48	0.43	1.17	1.26	1.09	1.03	1.04
OC Type 701	Flexible insulation board	4.00	A	24 x 48	0.73	1.29	1.22	1.06	1.00	0.97
OC Type 701	Flexible insulation board	1.00	E-405	24 x 48	0.32	0.41	0.70	0.83	0.93	1.02
OC Type 701	Flexible insulation board	2.00	E-405	24 x 48	0.44	0.68	1.00	1.09	1.06	1.10
OC Type 701	Flexible insulation board	3.00	E-405	24 x 48	0.77	1.08	1.16	1.09	1.05	1.18
OC Type 701	Flexible insulation board	4.00	E-405	24 x 48	0.87	1.14	1.24	1.17	1.18	1.28
OC Type 703	Semirigid insulation board	1.00	A	24 x 48	0.11	0.28	0.68	0.90	0.93	0.96
OC Type 703	Semirigid insulation board	2.00	A	24 x 48	0.17	0.86	1.14	1.07	1.02	0.98
OC Type 703	Semirigid insulation board	3.00	A	24 x 48	0.53	1.19	1.21	1.08	1.01	1.04
OC Type 703	Semirigid insulation board	4.00	A	24 x 48	0.84	1.24	1.24	1.08	1.00	0.97
OC Type 703	Semirigid insulation board	1.00	E-405	24 x 48	0.32	0.32	0.73	0.93	1.01	1.10
OC Type 703	Semirigid insulation board	2.00	E-405	24 x 48	0.40	0.73	1.14	1.13	1.06	1.10

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OC Type 703	Semirigid insulation board	3.00	E-405	24 x 48	0.66	0.93	1.13	1.10	1.11	1.14
OC Type 703	Semirigid insulation board	4.00	E-405	24 x 48	0.65	1.01	1.20	1.14	1.10	1.16
OC Type 705	Rigid insulation board	1.00	A	24 x 48	0.02	0.27	0.63	0.85	0.93	0.95
OC Type 705	Rigid insulation board	2.00	A	24 x 48	0.16	0.71	1.02	1.01	0.99	0.99
OC Type 705	Rigid insulation board	3.00	A	24 x 48	0.54	1.12	1.23	1.07	1.01	1.05
OC Type 705	Rigid insulation board	4.00	A	24 x 48	0.75	1.19	1.17	1.05	0.97	0.98
OC Type 705	Rigid insulation board	1.00	E-405	24 x 48	0.30	0.34	0.68	0.87	0.97	1.06
OC Type 705	Rigid insulation board	2.00	E-405	24 x 48	0.39	0.63	1.06	1.13	1.09	1.10
OC Type 705	Rigid insulation board	3.00	E-405	24 x 48	0.66	0.92	1.11	1.12	1.10	1.19
OC Type 705	Rigid insulation board	4.00	E-405	24 x 48	0.59	0.91	1.15	1.11	1.11	1.19
PAVAROC Fissura	Acoustical panels, lay-in	(16)	E-300	62.5cm x 62.5cm	0.38	0.44	0.50	0.77	0.98	1.08
PAVAROC Orion	Acoustical panels, lay-in	(16)	E-300	62.5 cm x 62.5cm	0.33	0.53	0.52	0.68	0.82	0.80
PAVAROC Stria 2	Acoustical panels, lay-in	(16)	E-300	62.5 cm x 62.5cm	0.52	0.43	0.49	0.65	0.71	0.61
Peer Almute	Type A300c, porous sintered metal panel	.1/(3mm)	E-200	24 x 48	0.44	0.81	0.87	0.52	0.69	0.80
Peer Almute	Type A300c, porous sintered metal panel	.1/(3mm)	E-400	24 x 48	0.85	0.80	0.46	0.60	0.70	0.80
Peer Almute	Same as above but backed with 2" fiberglass	2.1	E-400	24 x 48	0.77	1.03	0.93	1.07	1.03	1.07
Peer Almute	Same as above but 2" fiberglass spaced .25"from porous metal panel	2.35	E-400	24 x 48	0.88	0.92	0.99	1.09	1.05	1.06
Peer Alumute	Type A250c, porous sintered metal panel	.01/(3mm)	E-400	20 x 20	0.95	0.88	0.60	0.74	0.88	1.07
Peer Alumute	Sames as above but backed with 4" fiberglass	4.10	E-400	20 x 20	1.01	0.97	0.86	0.90	0.99	1.19
Perdue LSS-AT	Perforated steel facing over 6 pcf rockwool core	2.00	A	24 x 48/48 x 48	0.38	0.83	1.18	1.05	0.95	0.91
Perdue LSS-RHRF	Fabric-covered panel, 8 pcf rockwool core	1.00	A	24 x 48/48 x 48	0.21	0.66	1.04	1.05	0.97	0.98
Perdue LSS-RHRF	Fabric-covered panel, 6 pcf rockwool core	2.00	A	24 x 48/48 x 48	0.46	0.93	1.26	1.10	1.00	1.00
Perdue RHH/7FP	Fabric-covered panel, 8 pcf rockwool core	1.00	A	24 x 48/48 x 48	0.28	0.67	1.11	1.05	0.98	0.98
Perdue RHHVP	Vinyl-covered panel, 8 pef rockwool core	1.00	A	24 x 48/48 x 48	0.27	0.66	1.09	1.01	0.87	0.65
Perdue RHVP	Vinyl-covered panel, 8 pcf rockwool core	1.00	A	24 x 48/48 x 48	0.23	0.67	1.09	1.00	0.87	0.69
PI Pyrok Acoustement 40	Acoustical plaster, Portland cement-base	1.00	A	NONE	0.18	0.35	0.64	0.73	0.73	0.77
Prdfoot Baffles	Fiberglass core with polyethylene cover	1.50	hung	24 x 48	0.24	0.66	1.31	1.74	1.49	1.03
Prdfoot Soundblox	Type A-1 slotted concrete masonry block, unfilled	4.00	A	8 x 16	0.12	0.85	0.36	0.36	0.42	0.45
Prdfoot Soundblox	Type A-1 slotted concrete masonry block, unfilled	6.00	A	8 x 16	0.62	0.84	0.36	0.43	0.27	0.50
Prdfoot Soundblox	Type A-1 slotted concrete masonry block, unfilled	8.00	A	8 x 16	0.97	0.44	0.38	0.39	0.50	0.60
Prdfoot Soundblox	Type Q, same as above but with metal septa in cavities	8.00	A	8 x 16	1.07	0.97	0.61	0.37	0.56	0.55
Prdfoot Soundblox	Type R, similar to above with cavities filled with fiberglass	12.00	A	8 x 16	0.48	0.83	0.86	0.54	0.47	0.44
Prdfoot Soundblox	Type RSC, fiberglass filled cavities, metal septa	12.00	A	8 x 16	0.57	0.76	1.09	0.94	0.54	0.59
Rockfon Cadral	Smooth, white-painted acoustic tiles	(12)	E-200	60cm x 120cm	0.48	0.60	0.65	0.57	0.73	0.82
Rockfon Classic	White-painted acoustic panels	(18)	E-200	60cm x 120cm	0.43	0.65	1.03	0.72	0.90	0.94
Rockfon Dekor	Textured, white-painted acoustic tiles	(12)	E-200	60cm x 120cm	0.52	0.45	0.40	0.41	0.49	0.57
Rockfon Fibril	White-painted acoustic panels	(25)	E-200	60cm x 120cm	0.40	0.76	1.01	0.76	0.96	0.97
Rockfon Foil	Black plastic, industrial panels	(50)	E-200	60cm x 120cm	0.46	0.88	1.03	0.84	0.85	0.75
Rockfon Hygienic	White-painted industrial panels	(40)	E-200	60cm x 120cm	0.38	0.87	1.01	0.82	0.88	0.88
Rockfon Koral	White-painted acoustic panels	(25)	E-200	60cm x 120cm	0.53	0.81	0.88	0.82	0.93	0.87
Rockfon Paral	White-painted acoustic panels	(20)	E-200	60cm x 120cm	0.35	0.76	0.99	0.70	0.88	0.93
Rockfon Polar	White-painted acoustic panels	(20)	E-200	60cm x 120cm	0.47	0.72	0.92	0.70	0.89	0.93
Rockfon Sonar	White-painted acoustic tiles	(18)	E-200	60cm x 120cm	0.53	0.61	0.65	0.65	0.85	0.95
RPG Diffusorblox	Unpainted concrete masonry unit	12.00	A	8 x 16	0.98	0.90	0.93	0.77	0.80	0.77
RPG Diffusorblox	Painted concrete masonry unit	12.00	A	8 x 16	0.76	0.51	0.57	0.34	0.24	0.26
SiegK Baffel	Suspended acoustical panels	(140)	hung	60cm x 120cm	0.30	0.65	0.90	1.10	1.15	1.30

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SiegK Pyramid-Platte	Acoustical panels	(50)	A	98cm x 98cm	0.15	0.40	0.90	1.00	1.10	1.10
Sonex	Wedge-shaped polyurethane foam panels	2.00	A	24 x 48 / 48 x 48	0.08	0.25	0.61	0.92	0.95	0.92
Sonex	Wedge-shaped polyurethane foam panels	3.00	A	24 x 48 / 48 x 48	0.14	0.43	0.98	1.03	1.00	1.00
Sonex	Wedge-shaped polyurethane foam panels	4.00	A	24 x 48 / 48 x 48	0.20	0.70	0.98	1.06	1.01	1.00
Sonex 1	Wedge-shaped melamine foam panels	2.00	A	24 x 48	0.16	0.34	0.81	1.00	0.99	0.97
Sonex 1 Baffles	2-sided wedge-shaped melamine foam, hanging panels	3.00	hung	24 x 48	0.74	0.78	1.42	1.76	1.83	1.84
Sonex 1 Hypalon	Wedge-shaped melamine foam panels	2.00	A	24 x 48	0.18	0.65	1.04	0.73	0.68	0.56
Sonex Baffles	2-sided wedge-shaped polyurethane foam, hanging panels	3.00	hung	31 x 48	0.58	0.47	0.84	1.26	1.61	1.80
Sonex Contour	Wedge-shaped, melamine foam, ceiling tile	2.00	A	24 x 24	0.08	0.26	0.76	0.96	0.97	1.01
Sonex Mini-Sonex 1	Wedge-shaped melamine foam panels	1.50	A	24 x 48	0.14	0.21	0.61	0.80	0.89	0.92
Sonex Mini-Sonex 200	Wedge-shaped melamine foam panels	1.50	A	24 x 48	0.16	0.13	0.40	0.85	0.95	0.93
Sonex Panorama	Wedge-shaped, melamine foam, ceiling tile	2.00	A	24 x 24	0.22	0.29	0.79	0.93	0.94	1.00
Sonex Sonex	Wedge-shaped polyurethane foam panels	6.00	A	12 x 12	0.38	0.99	1.19	1.21	1.14	1.38
Sonex Spectrum	Wedge-shaped melamine foam, ceiling tile	2.00	A	24 x 24	0.12	0.33	0.83	0.97	0.98	0.95
Sonex Super-Sonex 1	Wedge-shaped melamine foam panels	6.00	A	12 x 12	0.11	0.86	1.22	1.24	1.14	1.20
Sonex Trim	Flat, melamine foam, ceiling tile	1.00	A	24 x 24	0.08	0.17	0.60	0.88	0.88	0.93
Sonex Vision	Wedge-shaped, melamine foam, ceiling tile	2.00	A	24 x 24	0.08	0.24	0.73	0.96	0.98	0.99
Soning SONIT	Acoustical panel fabricated bonded sand particles	(30)	D	30cm x 100cm	0.23	0.57	1.00	0.97	0.94	0.71
Stark Starkustic	Structural clay hollow tile with perforated ceramic facing; hollows filled with fiberglass pads	4.00	A	8 x 16	0.19	0.64	0.73	0.62	0.20	
TCeram Kawool	Ceramic fiber blanket	1.00	A	48 x 107	0.10	0.29	1.00	1.04	0.99	0.98
TCeram Kawool	Ceramic fiber blanket	1.00	A	48 x 107	0.42	0.80	0.72	0.86	0.92	1.02
TCeram Kawool	Ceramic fiber blanket	1.00	A	48 x 107	0.15	0.50	0.92	0.91	0.91	0.94
TCeram Kawool	Ceramic fiber blanket	1.00	A	38 x 48	0.26	0.41	0.40	0.47	0.58	0.65
Tectum	Sound absorption blocks spaced 24" on centers	3.00	A	15.5 x 15.5	0.22	0.32	1.01	1.60	1.66	1.64
Tectum	Sound absorption blocks spaced 32" on centers	3.00	A	15.5 x 15.5	0.27	0.43	1.13	1.77	1.75	1.75
Tectum	Hanging panels of 1" Tectum, spaced 12" face to face	1.00	hung	24 x 48	0.20	0.16	0.30	0.48	0.60	0.82
Tectum	Hanging panels of 1" Tectum, spaced 24" face to face	1.00	hung	24 x 48	0.12	0.20	0.29	0.49	0.65	0.91
Tectum	Hanging panels of 1" Tectum, spaced 36" face to face	1.00	hung	24 x 48	0.13	0.18	0.29	0.51	0.65	0.90
Tectum Classic	Pre-finished Nubby lay-in board	0.75	E-400	24 x 48	0.33	0.47	0.89	0.97	1.07	0.94
Tectum Classic	Prefinished Nubby lay-in board	1.00	E-400	24 x 48	0.83	0.88	0.80	1.05	1.06	1.08
Tectum Classic	Prefinished Nubby lay-in board	1.50	E-400	24 x 48	0.71	0.87	0.97	1.10	1.07	1.03
Tectum Classic	Painted Linear lay-in board	0.75	E-400	24 x 48	0.27	0.80	0.65	0.98	1.00	0.90
Tectum Classic	Painted Linear lay-in board	1.00	E-400	24 x 48	0.37	0.83	0.82	1.07	1.02	0.94
Tectum classic	Painted Linear lay-in board	1.50	E-400	24 x 48	0.71	0.83	0.82	1.07	1.02	0.94
Tectum Classic	Painted Nubby lay-in board	0.75	E-400	24 x 48	0.33	0.47	0.89	0.97	1.07	0.94
Tectum Classic	Film-faced lay-in board	1.50	E-400	24 x 48	0.29	0.80	0.74	0.92	0.85	0.52
Tectum Classic	Ultimate Nubby lay-in board	1.38	E-400	24 x 48	0.21	0.47	0.68	1.03	1.09	1.06
Tectum panel	Silicate-treated wood fiber, organic binder	1.00	A	24 x 96/24 x 48	0.06	0.13	0.24	0.45	0.82	0.64
Tectum panel	Silicate-treated wood fiber, organic binder	1.00	D-20	24 x 96/24 x 48	0.07	0.15	0.36	0.65	0.71	0.81
Tectum panel	Silicate-treated wood fiber, organic binder	1.00	C-20	24 x 96/24 x 48	0.16	0.43	1.00	1.05	0.79	0.98
Tectum panel	Silicate-treated wood fiber, organic binder	1.00	C-40	24 x 96/24 x 48	0.32	0.70	1.09	0.93	0.76	0.94
Tectum panel	Silicate-treated wood fiber, organic binder	1.50	A	24 x 96/24 x 48	0.07	0.22	0.48	0.82	0.64	0.96
Tectum panel	Silicate-treated wood fiber, organic binder	1.50	D-20	24 x 96/24 x 48	0.15	0.26	0.62	0.83	0.70	0.91
Tectum panel	Silicate-treated wood fiber, organic binder	1.50	C-20	24 x 96/24 x 48	0.24	0.57	1.17	0.87	0.93	0.87
Tectum panel	Silicate-treated wood fiber, organic binder	1.50	C-40	24 x 96/24 x 48	0.40	0.84	1.18	0.84	0.94	0.88
Tectum panel	Silicate-treated wood fiber, organic binder	2.00	A	24 x 96/24 x 48	0.15	0.26	0.62	0.94	0.64	0.92

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Tectum panel	Silicate-treated wood fiber, organic binder	2.00	D-20	24 x 96/24 x 48	0.15	0.36	0.74	0.82	0.82	0.92
Tectum panel	Silicate-treated wood fiber, organic binder	2.00	C-20	24 x 96/24 x 48	0.24	0.67	1.14	0.87	1.06	0.96
Tectum panel	Silicate-treated wood fiber, organic binder	2.00	C-40	24 x 96/24 x 48	0.42	0.89	1.19	0.85	1.08	0.94
Tectum panel	1" Tectum over 1" layer of 3 pcf fiberglass	2.00	C-40	24 x 48	0.16	0.43	1.00	1.05	0.79	0.98
Tectum panel	1.5" Tectum over 1" layer of 3 pcf fiberglass	2.50	C-40	24 x 48	0.24	0.57	1.17	0.87	0.93	0.87
Tectum panel	2" Tectum over 1" layer of 3 pcf fiberglass	3.00	C-40	24 x 48	0.24	0.67	1.14	0.87	1.06	0.96
Tectum panel	1" Tectum over 2.5" OCF noise barrier batt	3.50	C-40	24 x 48	0.32	0.70	1.09	0.93	0.76	0.94
Tectum panel	1.5 Tectum over 2.5 OCF noise barrier batt	4.00	C-40	24 x 48	0.40	0.84	1.18	0.87	0.93	0.87
Tectum panel	2" Tectum over 2.5" OCF noise barrier batt	4.50	C-40	24 x 48	0.42	0.89	1.19	0.85	1.08	0.94
Tectum panel	2" Tectum over 2.5" OCF noise barrier batt	4.50	C-20	24 x 48	0.24	0.57	1.17	0.87	0.93	0.87
Tectum panel	2" Tectum over 2.5 OCF noise barrier batt	4.50	C-40	24 x 48	0.40	0.84	1.18	0.84	0.94	0.88
Tectum Tectum I	Structural roof deck	1.50	A	48 x 96	0.07	0.22	0.48	0.82	0.64	0.96
Tectum Tectum I	Structural roof deck	2.00	A	48 x 96	0.15	0.26	0.62	0.94	0.64	0.92
Tectum Tectum I	Structural roof deck	2.50	A	48 x 96	0.20	0.31	0.72	0.84	0.77	0.90
Tectum Tectum I	Structural roof deck	3.00	A	48 x 96	0.21	0.41	1.00	0.75	1.00	0.97
Tectum Tectum II with Iso	Structural roof deck	4.00	A	48 x 96	0.20	0.31	0.55	0.83	0.74	0.95
Tectum Tectum III	Structural roof composite	3.50	A	48 x 96	0.16	0.23	0.49	0.78	0.88	0.88
USG "F"	Fissured ceiling tile	0.75	E-400	12 x 12	0.49	0.53	0.53	0.75	0.92	0.99
USG Acoustone "F"	Fissured, foil-backed tiles and panels	0.75	E-400	24 x 24	0.52	0.38	0.67	0.97	0.98	1.02
USG Acoustone "F" Firecode	Fissured tiles and panels, fire-rated	0.75	E-400	24 x 24	0.52	0.50	0.67	0.95	0.94	0.99
USG Acoustone Chex/16	Foil-backed tiles and panels	0.75	E-400	24 x 24	0.22	0.29	0.66	0.80	0.83	0.89
USG Acoustone Glacier	Foil-backed tiles and panels	0.75	E-400	24 x 24	0.37	0.33	0.61	1.00	0.96	1.03
USG Aratone	Fissured acoustical tile	0.75	E-400	12 x 12	0.50	0.36	0.76	0.73	0.69	0.72
USG Auratone	Fissured acoustical panels	0.63	E-400	24 x 48	0.42	0.34	0.44	0.72	0.67	0.64
USG Auratone	Fissured acoustical panels	0.75	E-400	24 x 48	0.34	0.36	0.71	0.85	0.68	0.64
USG Auratone	Fissured acoustical panels	0.75	E-400	24 x 48	0.34	0.36	0.71	0.85	0.68	0.64
USG Auratone	Fissured acoustical tile	0.63	E-400	12 x 12	0.42	0.29	0.52	0.68	0.64	0.69
USG Auratone Firecode	Fissured, fire-rated acoustical tiles and panels	0.63	E-400	24 x 48	0.34	0.30	0.53	0.78	0.73	0.69
USG Auratone Firecode	Fissured acoustical tile	0.63	E-400	12 x 12	0.59	0.33	0.45	0.70	0.79	0.70
USG Glacier	Rough textured tile and panels	0.75	E-400	12 x 12	0.56	0.76	0.57	0.80	0.94	1.00
USG Nubby	Fiberglass lay-in panels	1.00	E-400	24 x 48	0.55	0.89	0.73	1.03	1.11	1.07
USG Orion	Ceiling panel with laminated textured surface	0.50	E-400	24 x 48	0.69	0.76	0.65	0.86	0.83	0.75
USG Orion	Ceiling panel with laminated textured surface	1.00	E-400	24 x 48	0.74	0.82	0.82	1.05	1.06	1.09
USG Orion	Same as above but with impervious backing	1.00	E-400	24 x 24	0.42	0.43	0.82	1.13	1.09	1.02
	Absorber, 1" 1000				0.06	0.20	0.65	0.90	0.95	0.98
	Absorber, 2" 1000				0.18	0.76	0.99	0.99	0.99	0.99
	Absorber, 3" 1000				0.53	0.99	0.99	0.99	0.99	0.99
	Absorber, 4" 1000				0.99	0.99	0.99	0.99	0.98	0.98
	Absorber, 5" 1000				0.95	0.99	0.99	0.99	0.99	0.99
	Absorber, 6" 1000				0.99	0.99	0.99	0.99	0.99	0.99
	Absorber, 1P				0.08	0.32	0.99	0.76	0.34	0.12
	Absorber, 2P				0.26	0.97	0.99	0.66	0.34	0.14
	Absorber, 3P				0.49	0.99	0.99	0.69	0.37	0.15
	Absorber, 4P				0.80	0.99	0.99	0.71	0.38	0.13
	Absorber, 5P				0.98	0.99	0.99	0.71	0.40	0.20
	Absorber, 6P				0.95	0.99	0.98	0.69	0.36	0.18

Coefficients di Assorbimento4.xls

Brick					0.03	0.03	0.03	0.04	0.05	0.07
Ceiling Tile, standard					0.10	0.28	0.66	0.91	0.82	0.69
Ceiling Tile, Sonex					0.57	0.61	0.61	0.83	0.90	0.97
Concrete Block, painted					0.10	0.05	0.06	0.07	0.09	0.08
Concrete Block, unpainted					0.36	0.44	0.31	0.29	0.39	0.25
Door, oak					0.58	0.22	0.07	0.04	0.03	0.07
Drywall, 1/2", on 2 x 4's, 16" O.C.					0.10	0.08	0.05	0.03	0.03	0.03
Floor, Concrete					0.01	0.01	0.01	0.02	0.02	0.02
Floor, Linoleum					0.02	0.03	0.03	0.03	0.03	0.02
Floor, wood					0.15	0.11	0.10	0.07	0.06	0.07
Floor, wood parquet					0.04	0.04	0.07	0.06	0.06	0.07
Floor, carpet, 1/8" pile					0.05	0.05	0.10	0.20	0.30	0.40
Floor, carpet, 1/4" pile					0.05	0.10	0.15	0.30	0.50	0.55
Floor, carpet, 5/16" pile					0.05	0.15	0.30	0.40	0.50	0.60
Glass, normal window					0.35	0.25	0.18	0.12	0.07	0.04
Glass, heavy plate					0.18	0.06	0.04	0.03	0.02	0.02
Glass, laminated					0.18	0.06	0.04	0.03	0.02	0.02
Plywood, 1/4"					0.58	0.22	0.07	0.04	0.03	0.07
Plywood, 3/8"					0.28	0.22	0.17	0.09	0.10	0.11
Plaster, rough finish					0.02	0.03	0.04	0.05	0.04	0.03
Plaster, smooth finish					0.02	0.02	0.03	0.04	0.04	0.03
Sonex, 2"					0.08	0.25	0.61	0.92	0.95	0.92
Sonex, 3"					0.14	0.43	0.98	1.03	1.00	1.00
Sonex, 4"					0.20	0.70	1.06	1.01	1.01	1.00
SoundTex					0.14	0.35	0.55	0.72	0.70	0.65
spare					0.00	0.00	0.00	0.00	0.00	0.00
wood paneling					0.24	0.19	0.14	0.08	0.13	0.10
wood roof decking					0.24	0.19	0.14	0.08	0.13	0.10
Carpet, 3/32" pile					0.10	0.16	0.11	0.30	0.50	0.47
Carpet, 3/4" pile					0.15	0.17	0.12	0.32	0.52	0.57
Carpet, 3/8" pile					0.17	0.18	0.21	0.50	0.63	0.83
Carpet, 6/16" pile, 40oz/yd2, on hair pad					0.03	0.25	0.55	0.70	0.62	0.84
Carpet, 6/16" pike, 86oz/yd2, on hair pad					0.10	0.40	0.62	0.70	0.63	0.88
Carpet, 6/16" pike, 86oz/yd2, on hair and jute pad					0.20	0.50	0.68	0.72	0.65	0.90
Carpet, 20oz/yd2 , loop pile (no pad)					0.04	0.08	0.17	0.33	0.59	0.75
Carpet, 40oz/yd2, hair pad					0.10	0.19	0.35	0.79	0.69	0.79
Mineral Spray on materials, 1/2" mineral fiber					0.05	0.15	0.45	0.70	0.80	0.80
Mineral Spray-on materials, 3/4" mineral fiber					0.10	0.30	0.60	0.90	0.90	0.95
Mineral Spray-on materials, 1" mineral fiber					0.16	0.45	0.70	0.90	0.90	0.85
Mineral Spray-on materials 1/2" on lath					0.25	0.5	0.80	0.90	0.90	0.85
Person, adult					2.50	3.50	4.20	4.60	5.00	5.00
Person, child, high school					2.20		3.80		4.50	
Person, child, grammar school					1.80		2.80		3.50	
Chair, hard seat, up						0.19	0.24	0.39	0.38	

	Chair, theatre, heavy upholstery					3.40	3.00	3.30	3.60	
	Air, per 1000 cubic feet						0.90	2.30	7.20	