



UL Classified Acoustical Performance Summary

Product Family	Sound absorption coefficient ^A – E-400 mounting						Published Value: Sound absorption ^B NRC ^D	Published Value: Sound Transmission ^C CAC ^D	Articulation Class	Total Acoustics
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz				
Soft Fiber										
Optima®/Lyra® Capz™ (J-Mount)	0.17	0.73	1.16	1.16	1.29	1.29	1.08	–	–	–
Lyra® Direct Apply (A-Mount)	0.12	0.34	0.81	1.06	1.07	0.98	0.80	–	–	–
Lyra® Direct Apply (D-40 Mount)	0.22	0.70	1.05	1.11	1.07	1.01	1.00	–	–	–
Lyra®	0.75	0.95	0.79	1.00	1.03	1.00	0.95	–	190	–
Lyra® Concealed	0.72	0.84	0.78	0.99	1.06	1.01	0.90	–	190	–
Lyra® Vector®	0.72	0.84	0.78	0.99	1.06	1.01	0.90	–	190	–
Optima® 3/4"	0.81	0.94	0.76	0.93	1.05	1.01	0.90	–	180	–
Optima® 1"	0.81	0.97	0.78	0.99	1.07	1.02	0.95	–	190	–
Optima® 1" w/ CAC Backing	0.44	0.60	0.79	1.09	1.08	0.89	0.90	26	200	–
Optima® 1.5"	0.73	0.95	0.92	10.60	1.03	0.94	1.00	–	200	–
Optima® 1.5" w/ CAC Backing	0.51	0.85	0.91	1.13	1.09	1.01	0.95	26	200	–
Optima® Concealed	0.70	0.84	0.78	0.99	1.06	1.01	0.90	–	190	–
Optima® Concealed w/ CAC Backing	0.52	0.49	0.81	0.89	1.03	0.90	0.80	26	190	–
Optima® Health Zone™	0.72	1.00	0.80	1.01	1.06	0.98	0.95	–	190	–
Optima® Health Zone™ w/ CAC Backing	0.72	1.00	0.80	1.01	1.06	0.98	0.95	–	190	–
Optima® Vector®	0.70	0.84	0.78	0.99	1.06	1.01	0.90	–	190	–
Optima® Vector® w/ CAC Backing	0.52	0.49	0.81	0.89	1.03	0.90	0.80	26	190	–
Painted Nubby™ 3/4"	0.73	0.94	0.70	0.90	0.99	1.01	0.85	–	180	–
Painted Nubby™ 1"	0.81	0.97	0.78	0.99	1.07	1.02	0.95	–	190	–
Pebble™ Perforated	0.59	0.70	0.56	0.84	0.89	0.71	0.70	–	–	–
Pebble™ Perforated High NRC	0.74	0.78	0.68	0.88	0.78	0.66	0.80	–	–	–
Random Fissured™ Unperforated	0.50	0.33	0.29	0.78	0.78	0.64	0.55	–	–	–
Random Fissured™ Perforated	0.59	0.70	0.56	0.84	0.89	0.71	0.70	–	–	–
Shasta® Unperforated	0.47	0.33	0.32	0.82	0.75	0.72	0.50	–	–	–
Shasta® Perforated	0.59	0.70	0.56	0.84	0.89	0.71	0.70	–	–	–

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B = Sound Absorption Data and NRC rating obtained by ASTM Procedure C423, "Standard Test Method for Sound Absorption and Sound Absorption Coefficient by the Reverberation Room Method." Sample mountings follow procedures outlined in ASTM E795, "Standard Practices for Mounting Test Specimens During Sound Absorption Tests."

C = Sound Transmission loss data obtained by procedures outlined in AMA-1-II, "Test Method for Ceiling Sound Transmission Test by the Two-Room Method" or by the ASTM Procedure E1414, "Standard Test Method for Airborne Sound Attenuation Between Rooms Sharing a Common Ceiling Plenum." CAC rating determined by following procedures outlined in ASTM Procedure E413, "Classification for Rating Sound Insulation."

D = NRC and CAC single number ratings comply with ASTM E1264 classification requirements.

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NOTE: For acoustical details for Tectum® products, contact TechLine at 877 276 7876



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	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz				
Mineral Fiber										
AcoustiBuilt®	0.22	0.32	0.82	1.02	0.97	1.00	0.80	46	–	Best
Armatuff®	0.24	0.35	0.71	0.61	0.42	0.28	0.50	33-35	–	–
Backstage Noir®	0.50	0.54	0.68	0.91	0.98	0.97	0.75	30	–	–
Calla®	0.59	0.56	0.82	0.99	0.95	0.94	0.85	35	170	Best
Calla® High CAC	0.30	0.43	0.77	0.94	0.93	0.95	0.80	40	170	Best
Calla® High NRC	0.48	0.61	0.94	1.01	1.00	1.00	0.90	35	170	Best
Calla® Health Zone™	0.28	0.44	0.83	0.99	0.97	0.99	0.80	38	170	Best
Calla® Health Zone™ AirAssure™	0.28	0.44	0.83	0.99	0.97	0.99	0.80	40	170	Best
Calla® Vector®	0.29	0.41	0.86	0.99	0.98	1.02	0.80	33	170	–
Calla® PrivAssure® (CAC 45)	0.48	0.44	0.85	1.01	1.01	1.01	0.75	45	–	Better
Calla® PrivAssure® (CAC 50)	0.45	0.40	0.85	0.98	1.00	1.01	0.80	50	–	Best
Calla® for Dynamax®	0.59	0.56	0.82	0.99	0.95	0.94	0.85	35	170	Best
Canyon®	0.41	0.32	0.56	0.84	0.82	0.80	0.65	35	–	Good
Ceramaguard® Fine Fissured™	0.28	0.27	0.43	0.72	0.92	0.86	0.55	38-40	–	–
Ceramaguard® Unperforated	–	–	–	–	–	–	–	40	–	–
Cirrus®	0.32	0.31	0.59	0.93	1.00	0.99	0.70	35	–	Better
Cirrus® Fire Guard™	0.27	0.25	0.29	0.36	0.46	0.53	0.35	35	–	–
Cirrus® High CAC	0.36	0.37	0.71	0.90	0.96	0.95	0.70	40	–	Better
Cirrus® High NRC	0.33	0.39	0.85	1.00	0.96	0.96	0.75	35	170	Better
Cirrus® Profiles	0.23	0.31	0.59	0.83	0.95	0.95	0.65	35	–	Good
Cirrus® Second Look®	0.23	0.31	0.59	0.83	0.95	0.95	0.65	35	–	Good
Clean Room™ FL (border units)	–	–	–	–	–	–	–	35	–	–
Clean Room™ FL (field units)	0.25	0.24	0.59	0.90	0.75	0.51	0.55	35	–	–
Clean Room™ VL Perforated	0.22	0.24	0.53	0.90	0.78	0.47	0.55	35	–	–
Clean Room™ VL Unperforated	–	–	–	–	–	–	–	40	–	–
Cortega®	0.21	0.26	0.51	0.78	0.75	0.69	0.55	33-40	–	–
Cortega® Fire Guard™	0.22	0.26	0.46	0.78	0.92	0.82	0.55	33-35	–	–
Cortega® Second Look®	0.20	0.30	0.48	0.72	0.73	0.73	0.55	30-35	–	–
Cortega® Second Look® Fire Guard	0.23	0.31	0.56	0.87	0.85	0.82	0.55	40	–	–
Designer™	0.33	0.33	0.51	0.68	0.73	0.76	0.55	30-33	–	–
Dune™	0.39	0.35	0.60	0.60	0.51	0.34	0.50	30-35	–	–
Dune™ for Dynamax®	0.39	0.35	0.60	0.60	0.51	0.34	0.50	35	–	–
Dune™ Fire Guard™	0.21	0.28	0.51	0.74	0.60	0.42	0.50	35	–	–
Dune™ Second Look®	0.37	0.37	0.63	0.64	0.56	0.39	0.50	35	–	–

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	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz				
Mineral Fiber (continued)										
Fine Fissured™	0.30	0.35	0.59	0.71	0.69	0.58	0.55	35	–	–
Fine Fissured™ Fire Guard™	0.20	0.27	0.52	0.89	0.82	0.75	0.55	35	–	–
Fine Fissured™ Fire Guard™ High NRC	0.20	0.30	0.74	0.95	0.87	0.78	0.70	35	–	Better
Fine Fissured™ High NRC	0.28	0.39	0.86	1.01	1.01	1.02	0.75	35	170	Better
Fine Fissured™ School Zone®	0.29	0.30	0.65	0.91	0.85	0.79	0.70	40	–	Better
Fine Fissured™ School Zone® AirAssure™	0.29	0.30	0.65	0.91	0.85	0.79	0.70-0.75	42-45	170	Better
Fine Fissured™ Second Look®	0.20	0.30	0.48	0.72	0.73	0.73	0.55	30-35	–	–
Fine Fissured™ Second Look® Fire Guard™	0.23	0.31	0.56	0.87	0.85	0.82	0.55	35	–	–
Fine Fissured™ Tile	0.43	0.31	0.42	0.66	0.79	0.70	0.55	35	–	–
Fissured™	0.25	0.25	0.46	0.74	0.82	0.81	0.55	30	–	–
Fissured™ Fire Guard™	0.22	0.26	0.46	0.78	0.92	0.82	0.55	35	–	–
Georgian™	0.21	0.26	0.51	0.78	0.75	0.69	0.55	33-35	–	–
Georgian™ High Washability	–	–	–	–	–	–	–	33	–	–
Graphis® Finetex™	–	–	–	–	–	–	–	35	–	–
Graphis® Rustex™	0.39	0.31	0.44	0.69	0.89	0.98	0.55	30	–	–
Invisacoustics™ (A mount)	0.03	0.24	0.72	1.00	0.93	0.88	0.70	–	–	–
Invisacoustics™ (D-20 mount)	0.09	0.59	0.78	0.96	0.94	0.90	0.80	–	–	–
Ledges®	–	–	–	–	–	–	–	35	–	–
Mesa™	0.35	0.40	0.67	0.78	0.76	0.67	0.60	33-35	–	Good
Mesa™ High CAC	0.30	0.32	0.69	0.84	0.73	0.62	0.60	40	–	Good
Mesa™ Second Look™	0.35	0.40	0.67	0.78	0.76	0.76	0.60	35	–	Good
Tincraft™	–	–	–	–	–	–	–	35	–	–
Tundra®	0.23	0.26	0.57	0.67	0.50	0.38	0.50	33-35	–	–
Ultima®	0.32	0.33	0.67	0.97	0.96	0.93	0.75	35	–	Better
Ultima® for Dynamax®	0.32	0.33	0.67	0.97	0.96	0.93	0.75	35	170	Better
Ultima® AirAssure™ for Dynamax®	0.32	0.33	0.67	0.97	0.96	0.93	0.75	35	–	Better
Ultima® Fire Guard™	0.26	0.31	0.59	0.78	0.80	0.69	0.60	40	–	Good
Ultima® Health Zone™	0.30	0.32	0.71	0.92	0.90	0.89	0.70	38	–	Better
Ultima® Health Zone™ AirAssure™	0.30	0.32	0.71	0.92	0.90	0.89	0.70	40	–	Better
Ultima® Health Zone™ High NRC	0.33	0.36	0.76	1.00	0.98	0.98	0.80	35	170	Best
Ultima® High CAC	0.26	0.31	0.59	0.78	0.80	0.69	0.60	40	–	Good
Ultima® High NRC	0.28	0.39	0.79	0.98	0.96	0.90	0.80	35	170	Best
Ultima® Vector®	0.34	0.38	0.67	0.89	0.82	0.80	0.70	33	–	–

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	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz				
Cementitious Wood Fiber										
Tectum® Direct-Attach 1" (A-Mount)	0.06	0.13	0.24	0.45	0.82	0.64	0.40	–	–	–
Tectum® Direct-Attach 1" (D-20 Mount)	0.07	0.15	0.36	0.65	0.71	0.81	0.45	–	–	–
Tectum® Direct-Attach 1" (C-20 Mount)	0.16	0.43	1.00	1.05	0.79	0.98	0.80	–	–	–
Tectum® Direct-Attach 1" (C-40 Mount)	0.32	0.70	1.09	0.93	0.76	0.94	0.85	–	–	–
Tectum® Finale™ 1" (A-Mount)	0.16	0.43	1.00	1.05	0.79	0.98	0.95	–	–	–
Tectum® Finale™ 2" (A-Mount)	0.24	0.67	1.14	0.87	1.06	0.96	0.95	–	–	–

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