



UL Classified Acoustical Performance Summary

PRODUCT FAMILY	SOUND ABSORPTION CO-EFFICIENTS ^A – E-400 MOUNTING						PUBLISHED VALUE: SOUND ABSORPTION ^B	PUBLISHED VALUE: SOUND TRANSMISSION ^C
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC ^D	CAC ^D
SOFT FIBER								
Optima® 1.5" w/CAC Backing	0.51	0.85	0.91	1.13	1.09	1.01	1.00	26
Optima 1.5"	0.73	0.95	0.92	1.06	1.03	0.94	1.00	–
Optima 1"	0.76	0.89	0.84	1.02	1.09	0.99	0.95	–
Optima 3/4"	0.81	0.94	0.76	0.93	1.05	1.01	0.90	–
Optima Vector® 7/8" w/CAC Backing	0.42	0.44	0.78	0.94	1.09	1.05	0.80	26
Optima Vector 7/8"	0.72	0.84	0.79	0.99	1.06	1.00	0.90	–
Optima Health Zone™ 1"	0.72	1.00	0.80	1.01	1.06	0.98	0.95	–
Painted Nubby™ 1"	0.76	0.89	0.84	1.02	1.09	0.99	0.95	–
Painted Nubby 3/4"	0.73	0.94	0.70	0.90	0.99	1.01	0.90	–
Pebble™ High-NRC Perforated	0.74	0.78	0.68	0.88	0.78	0.66	0.80	–
Pebble 5/8" Perforated	0.59	0.70	0.56	0.84	0.89	0.71	0.70	–
Pebble Unperforated	0.50	0.31	0.28	0.77	0.66	0.67	0.50	–
Random Fissured™ 5/8" Perforated	0.59	0.70	0.56	0.84	0.89	0.71	0.70	–
Random Fissured Unperforated	0.44	0.35	0.33	0.83	0.84	0.64	0.55	–
Shasta® 5/8" Perforated	0.59	0.70	0.56	0.84	0.89	0.71	0.70	–
Shasta Unperforated	0.50	0.31	0.28	0.77	0.66	0.67	0.50	–
BIOACOUSTIC™								
Tierra™	0.70	0.93	0.66	0.85	0.96	0.96	0.85	–
MINERAL FIBER								
Armatuff®	0.33	0.32	0.69	0.65	0.52	0.36	0.50	33-35
Ceramaguard® Perforated	0.28	0.27	0.43	0.72	0.90	0.86	0.55	38-40
Ceramaguard Unperforated	–	–	–	–	–	–	–	40
Cirrus® 3/4"	0.31	0.35	0.62	0.86	0.94	0.89	0.70	35
Cirrus 3/4" Fire Guard™	0.27	0.25	0.29	0.36	0.46	0.53	0.35	35
Cirrus 7/8"	0.36	0.40	0.66	0.84	0.88	0.91	0.70	38
Cirrus 7/8" High-CAC	0.27	0.37	0.70	0.91	0.94	0.96	0.70	40
Cirrus 7/8" High-NRC	0.33	0.39	0.85	1.00	0.96	0.96	0.75	35
Cirrus 3/4" 1-Up Profiles	0.26	0.36	0.57	0.82	0.89	0.85	0.65	35
Cirrus 3/4" 4-Up Profiles	0.32	0.29	0.55	0.87	0.96	0.91	0.65	35
Cirrus Second Look®	0.23	0.31	0.59	0.83	0.95	0.95	0.65	35
Cirrus Themes™	–	–	–	–	–	–	0.65	35
Clean Room™ FL (field units)	0.28	0.30	0.69	0.94	0.77	0.54	0.55	35
Clean Room FL (border units)	–	–	–	–	–	–	–	35
Clean Room VL Unperforated	–	–	–	–	–	–	–	40
Clean Room VL Perforated	0.22	0.24	0.53	0.90	0.78	0.47	0.55	35
Cortega® 5/8"	0.21	0.26	0.51	0.78	0.75	0.69	0.55	35
Cortega 5/8" Fire Guard	0.22	0.26	0.46	0.78	0.92	0.82	0.55	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

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MINERAL FIBER continued								
Dune™ 5/8"	0.33	0.34	0.65	0.64	0.59	0.42	0.55	30-35
Dune 3/4"	0.21	0.33	0.81	0.76	0.61	0.48	0.50	35
Dune 5/8" Fire Guard™	0.21	0.28	0.51	0.74	0.60	0.42	0.50	33-35
Dune Second Look®	0.34	0.35	0.64	0.60	0.53	0.40	0.50	35
Fine Fissured™ Concealed / T&G	0.43	0.31	0.42	0.66	0.79	0.70	0.55	35
Fine Fissured 5/8"	0.28	0.28	0.49	0.74	0.75	0.65	0.55	33-35
Fine Fissured ^E 5/8" Fire Guard	0.18	0.25	0.51	0.86	0.83	0.72	0.55	35
Fine Fissured ^E 5/8" High Durability	0.18	0.25	0.51	0.86	0.83	0.72	0.55	35
Fine Fissured ^E 3/4" High Acoustics Lay-In	0.25	0.32	0.74	0.92	0.86	0.84	0.70	35-40
Fine Fissured ^E 3/4" High Acoustics Tegular	0.29	0.30	0.65	0.91	0.85	0.79	0.70	40
Fine Fissured ^E 3/4" High Acoustics Fire Guard	0.20	0.30	0.74	0.95	0.87	0.82	0.70	35-40
Fine Fissured 7/8" High-NRC	0.28	0.39	0.86	1.01	1.01	1.02	0.75	35
Fine Fissured Second Look I, II	0.20	0.30	0.48	0.72	0.73	0.73	0.55	30-35
Fine Fissured Second Look III	0.28	0.30	0.56	0.60	0.60	0.60	0.50	35
Fine Fissured Second Look II Fire Guard	0.21	0.30	0.70	0.82	0.84	0.85	0.55	35
Fissured™	0.23	0.23	0.49	0.72	0.73	0.72	0.55	30
Fissured Fire Guard	0.22	0.26	0.46	0.78	0.92	0.82	0.60	35
Georgian™ 5/8"	0.28	0.23	0.49	0.81	0.80	0.75	0.55	33
Georgian 5/8" Tegular	0.32	0.33	0.60	0.71	0.56	0.40	0.55	35
Georgian High Acoustics	0.30	0.28	0.60	0.97	0.85	0.54	0.65	35
Georgian High Washability	–	–	–	–	–	–	–	33
Georgian High Washability Fire Guard	–	–	–	–	–	–	–	35
Graphis® Finetex™	–	–	–	–	–	–	–	35
Graphis Rustex™	0.39	0.31	0.44	0.69	0.89	0.98	0.55	30
Ledges®	–	–	–	–	–	–	–	35
Mesa™	0.35	0.40	0.67	0.78	0.76	0.67	0.60	33-35
Mesa High-CAC	0.30	0.32	0.69	0.84	0.73	0.62	0.60	40
Tincraft™	–	–	–	–	–	–	–	35
Tundra®	0.23	0.27	0.57	0.67	0.52	0.41	0.50	33-35
Ultima®	0.33	0.33	0.70	0.89	0.92	0.96	0.70	35
Ultima Health Zone™	0.30	0.32	0.71	0.92	0.90	0.89	0.70	35
Ultima High-CAC	0.26	0.31	0.59	0.78	0.80	0.69	0.60	40
Ultima High-NRC	0.35	0.41	0.84	1.03	0.94	0.92	0.80	35
Ultima Vector®	0.34	0.38	0.67	0.89	0.82	0.80	0.70	33

A = These are representative data for the product family. Sound absorption test data for specific item tested. Data and test reports for most products available upon request. Contact TechLine™ at bpotechline@armstrong.com

B = Sound Absorption Data and NRC rating obtained by ASTM Procedure C423, "Standard Test Method for Sound Absorption and Sound Absorption Coefficients 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.

E = Also called School Zone™ Fine Fissured

