

ACOUSTICAL SUBSURFACE

Accutrack Panels, Baffles and Upholstered Wall Systems utilize molded fiberglass boards as a subsurface for all acoustical applications.

Acoustical board is a thermal and acoustical insulation product made from inorganic glass fibers pre-formed into boards bonded by a thermosetting resin. The board is manufactured with a smooth surface on one side and is precision cut with a 1/16" tolerance in thickness, insuring perfect alignment within the Accutrack framework.

ACOUSTICAL FIBERGLASS PHYSICAL PROPERTIES

Meets Class A Surface Burning Characteristics per ASTM E 84

Flame Spread 25

Smoke Development 50

ACOUSTICAL COEFFICIENTS – TYPE A MOUNTING¹

Density	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
6PCF	½"	.05	.16	.41	.76	.92	.94	.55
6PCF	3/8"	.05	.25	.58	.87	.98	.96	.65
6PCF	1"	.19	.32	.71	.98	1.10	.98	.80
6PCF	1 ½"	.14	.60	.97	1.09	1.09	.98	.95
3PCF	2"	.18	.59	1.03	1.14	1.06	.99	.95
6PCF	2"	.22	.79	1.05	1.17	1.12	1.00	1.05
Composite ²	1"	.15	.50	1.00	1.00	.97	.90	.86

¹Tested in accordance with ASTM C 423

²Composite Board is 1/8" 18 PCF fiberglass laminated to 7/8" 3 PCF fiberglass for use as an impact resistant or tackable subsurface

Moisture Absorption: ASTM C 533 – less than 3% by weight

Mold Growth: ASTM C 665 – will not provide sustenance

Corrosiveness: ASTM C 665 – will not cause corrosion of aluminum, steel or copper.

OTHER DENSITIES

Estimated NRC Values

Thicknesses in inches

Density	0.125	0.250	0.375	0.500	0.625	0.750	0.875	1.000
4 pcf	0.120	0.335	0.391	0.455	0.526	0.598	0.669	0.735
6 pcf	0.068	0.220	0.332	0.456	0.577	0.687	0.781	0.869
8 pcf	0.140	0.192	0.359	0.529	0.677	0.794	0.883	0.948
10 pcf	0.026	0.204	0.422	0.616	0.766	0.871	0.942	0.986
12 pcf	0.020	0.239	0.492	0.692	0.830	0.916	0.965	0.988
14 pcf	0.020	0.284	0.559	0.752	0.870	0.935	0.963	0.968
16 pcf	0.023	0.332	0.616	0.794	0.891	0.935	0.945	0.935