

## ALPHASORB<sup>®</sup> BARRIER ACOUSTIC PANELS TECHNICAL DATA SHEET



### DESCRIPTION

AlphaSorb Sound Barrier Acoustic Panels are the answer to your acoustical and aesthetic needs with strong sound absorbing and blocking performance, durability, and versatile appearance. These panels are available in a wide variety of sizes, shapes and colors, making it easy to create an effective sound control treatment that is distinctly designed for your environment.

These acoustic panels encapsulate our AudioSeal Sound Barrier within the sound absorbing material, giving them their unique quality of being both sound blocking and absorbing. AlphaSorb Sound Barrier Acoustic Panels must cover 100% of the installation surface to effectively soundproof the structure.

Standard fabric color options are Guilford of Maine FR701, Style 2100.

### TECHNICAL CHARACTERISTICS

<b>SIZE:</b>	Custom sizes up to 4' x 10'	<b>EDGE DETAIL:</b>	Options for Square, Bevel, Radius, or Miter Edge
<b>THICKNESS:</b>	1-1/8" & 2-1/8" (+/- 1/8")	<b>MOUNTING:</b>	Impaling Clips (adhesive not included)
<b>DENSITY:</b>	two layers of 6-7 pound per cubic foot acoustical fiberglass substrate with 1/8" thick one-pound barrier septum	<b>FIRE RATING:</b>	Class 1 or A
<b>INTENDED USE:</b>	Interior, sound absorption, sound blocking	<b>NRC:</b>	1-1/8" (0.65); 2-1/8" (0.85)
		<b>STC:</b>	1-1/8" (29); 2-1/8" (33)

#### SOUND ABSORBING PERFORMANCE

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1-1/8"	0.12	0.48	0.71	0.77	0.71	0.58	0.65
2-1/8"	0.14	0.27	0.80	1.11	1.14	1.14	0.85

#### SOUND BLOCKING PERFORMANCE

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	STC
1-1/8"	14	17	25	39	44	42	29
2-1/8"	18	23	27	41	57	60	33





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