

# AlphaSorb® Flat Acoustic Foam



## Description

Our AlphaSorb® Flat Acoustic Foam provides acoustic absorption for applications seeking a flat, smooth appearance with no pattern. AlphaSorb® Flat Acoustic Foam is available in a range of sizes and thicknesses. Consisting of a lightweight, acoustical foam core, these panels are for use in just about any direct mount wall or ceiling applications. Flat acoustic foam is a great choice for projects that require form fitting absorption. Its melamine acoustic foam core trims easily using a smooth blade utility knife and installs with a foam construction adhesive.

AlphaSorb® Flat Acoustic Foam delivers a versatile foam panel for use in open offices, recording studios, lobbies, as well as in tougher industrial applications. The fiber-free core makes this an excellent acoustical substrate to absorb sound in a multitude of systems, including fabric track stretch wall systems. There is no itchy fiberglass to cut or clean up. Similarly, use AlphaSorb® Flat Acoustic Foam to line noisy enclosures like HVAC ducting, speaker boxes or machine housings. Additionally, you can create interesting dimensional patterns by utilizing the various thicknesses of this foam.

## Technical Characteristics

<b>Size:</b>	2' x 2'   2' x 4'   4' x 4'   4' x 8'
<b>Thickness:</b>	½"   1"   1½"   2"   3"   4"
<b>Material:</b>	Open-cell melamine based foam
<b>Density:</b>	0.56 +/- 0.09 lb/ft <sup>3</sup> (Grey) 0.47 +/- 0.13 lb/ft <sup>3</sup> (White)
<b>Color:</b>	Natural Grey, Natural White
<b>Fire Rating:</b>	Class 1 or A per ASTM E84

Revised: 2025-04-30

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## Sound Absorbing Performance

Color	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
Natural White	1"	0.11	0.16	0.53	0.85	0.99	1.04	0.65
	1½"	0.17	0.28	0.84	0.99	1.03	1.04	0.80
	2"	0.23	0.48	1.08	1.19	1.16	1.11	1.00
	3"	0.45	0.87	1.26	1.07	1.06	1.10	1.05
	4"	0.58	1.19	1.45	1.38	1.29	1.24	1.34
Natural Grey	1"	0.07	0.18	0.55	0.83	0.96	1.01	0.65
	1½"	0.17	0.28	0.86	0.99	1.02	1.02	0.80
	2"	0.20	0.51	1.05	1.05	1.03	1.05	0.90
	3"	0.36	0.90	1.24	1.04	1.02	1.09	1.05
	4"	0.63	1.19	1.47	1.37	1.31	1.25	1.35

*Type "A" Mount*

Revised: 2025-04-30