

ALPHASORB[®] FLAT ACOUSTIC FOAM TECHNICAL DATA SHEET



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

SIZE: 2' x 2', 2' x 4', 4' x 4', 4' x 8'

THICKNESS: 1/2", 1", 1 1/2", 2", 3", 4"

MATERIAL: Open-cell melamine based foam

DENSITY: 0.56 +/- 0.09 lb/ft³ (Grey)
0.47 +/- 0.13 lb/ft³ (White)

COLOR: Natural Grey, Natural White

FIRE RATING: Class 1 or A per ASTM E 84

SOUND ABSORBING PERFORMANCE (TYPE A MOUNT)

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
	1 1/2"	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
	1 1/2"	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