

ALPHASORB[®] COMPOSITE FOAM TECHNICAL DATA SHEET



TECHNICAL CHARACTERISTICS

- SIZE:** 2' x 4'
- THICKNESS:** 1-3/8"
- MATERIAL:** Open-cell melamine based foam with 1 lb/ft² mass loaded barrier septum
- DENSITY:** 0.56 +/- 0.09 lb/ft³ (Grey)
0.47 +/- 0.13 lb/ft³ (White)
- COLOR:** Natural Grey, Natural White
- SERVICE TEMP:** -40 deg F to 350 deg F
- FIRE RATING:** Class 1 or A per ASTM E 84
- BACKING:** Optional Peel and Stick
- MOUNTING:** These panels can easily be mounted to any wall or ceiling surface with water-based construction adhesive

DESCRIPTION

AlphaSorb[®] Composite Foam combines a mass loaded sound barrier with layers of absorptive acoustic foam to double up on sound control. This composite foam combines a the one pound per square foot sound barrier between two layers of acoustical foam. Together, these layers both absorb, block and isolate mid to high frequency noise. This reduces the overall transmission of sound when constructing sound enclosures or partitions.

The thicker, one inch foam should face towards the source of the noise to absorb sound within the space. Then the barrier layer provides a sound blocking layer to lower sound transmission through the panel. Then, the thinner melamine foam layer provides an airspace between decouple the panel from surface to which it is mounted. Our composite foam is fiber-free, so you'll have no handling issues. They are also easy to cut to any size and install. For further ease of installation, we offer a peel and stick (PSA) option. Just make the necessary field cuts, peel off the backing and stick the sheets to the substrate. Composite foam is the perfect choice for lining noisy enclosures. To create an effective sound barrier, all surfaces of the enclosure, partition or wall should be covered seamlessly.

SOUND ABSORBING PERFORMANCE (TYPE A MOUNT)

125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
0.08	0.25	0.85	0.86	1.00	1.08	0.75

SOUND BLOCKING PERFORMANCE

125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	STC
14	16	20	27	33	39	25

