

ECHO ABSORBER™ Natural

DESCRIPTION:

ECHO ABSORBER™ Natural sound absorbing blankets and board products are manufactured from specially sized cotton and polyester fibers. Available in a wide variety of dimensional sizes, densities and blends, ECHO ABSORBER™ Natural offers excellent acoustical performance across a wide frequency range.

APPLICATIONS:

ECHO ABSORBER™ Natural acoustical blanket and board products are utilized in a wide variety of sound reducing applications including fabric covered acoustical panels, appliances, electronics, automotive, sound curtains and office furniture applications.

PRODUCT AVAILABILITY:

- 1 in. x 24 in. x 48 in. Panel (Part #: EA124N3)
- 1 in. x 48 in. x 48 in. Panel (Part #: EA144N3)
- 2 in. x 24 in. x 48 in. Panel (Part #: EA224N3)
- For OEM applications, this product is available with a maximum length of 200 ft. and a maximum width of 135 in. A large variety of densities and thicknesses are available upon request. Please contact us for details.

TECHNICAL DATA:

CHARACTERISTICS

Physical Properties	Value	Test Standard
Color	Natural	n/a
Thickness	1" & 2"	n/a
Density	Approx 3 lbs/ft ³	n/a
Average Thermal Conductance (C)	1 in. = 0.236 Btu/hr ft ² °F 2 in. = 0.123 Btu/hr ft ² °F	ASTM C 518
Average Thermal Conductance (R)	1 in. = 4.24 hr ft ² °F/ Btu 2 in. = 8.15 hr ft ² °F/ Btu	ASTM C 518
Average Thermal Resistance (Rsi)	1 in. = 0.746 m ² K/W 2 in. = 1.44 m ² K/W	ASTM C 518
Apparent Thermal Conductivity (k)	1 in. = 0.236 Btu-in./hr ft ² °F 2 in. = 0.245 Btu-in./hr ft ² °F	ASTM C 518
Odor Emission	n/a	Being tested
Fungi Resistance	n/a	Being tested
Water Vapor Sorption	n/a	Being tested
Flammability	n/a	Being tested

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RANDOM SOUND ABSORPTION / NOISE REDUCTION

Freq. Hz	125	250	500	1000	2000	4000	NRC/SAA
1 in.	0.13	0.22	0.62	0.85	0.90	0.96	0.65/0.66
2 in.	0.25	0.69	1.11	1.12	1.03	1.07	1.00/1.00

THERMAL DATA

Freq. Hz	Length	Width	R - Value
1 in.	48 in.	24 in.	4.24
2 in.	48 in.	24 in.	8.15

The information contained herein is typical and based upon the results of controlled laboratory tests. The information is accurate to the best of American Micro Industries, Inc.'s knowledge. Product performance may vary based on the particular application and installation techniques utilized.

