

American Micro Industries, Inc.

PRODUCT DATA SHEET: SOFT SOUND FOAM PANEL™

DESCRIPTION:

SOFT SOUND FOAM PANEL™ is a composite of acoustical foam and a non-woven fabric. It is a light weight, sound / noise absorbing panel used to improve the acoustics within a room by minimizing reverberation (echo). SOFT SOUND FOAM PANEL™ is a Class A fire rated product.

The foam core is a lightweight, open-cell material that is recommended for acoustical and thermal insulation in a large variety of applications due to its outstanding resistance to high heat and low smoke/flame flame propagation.

The fabric covering is a thermally activated nylon/polyester blend. The mildew resistant fabric performs well in flammability ratings and has excellent acoustic value. The texture of the fabric is soft and, when applied correctly, will appear seamless. This easy to clean fabric is Velcro® compatible and available in a variety of colors.

APPLICATIONS:

SOFT SOUND FOAM PANEL™ is used in areas where echo and other reverberation needs to be controlled. This flexible product can be installed on curved walls or wrapped around objects such as columns and posts. The installer of SOFT SOUND FOAM PANEL™ does not need protective clothing or equipment while working with this product. It is easy to install and will not release airborne particles. Due to the vibrant colors available, one can use SOFT SOUND FOAM PANEL™ to achieve a desired acoustic result while improving the aesthetic value of a space. This product is not recommended for high traffic areas. Practical applications may include office buildings, classrooms, libraries, auditoriums, restaurants, convention halls, stadiums and manufacturing facilities.

PRODUCT AVAILABILITY:

SOFT SOUND FOAM PANEL™ is offered in 25 different fabric colors and available in 1 x 24 x 24 inch or 1 x 24 x 48 inch dimensions. Please contact one of our acoustic consultants for further information at 1-800-558-2058 or visit www.soundprooffoam.com.

TECHNICAL DATA:

NORMAL SOUND ABSORPTION/NOISE REDUCTION

Freq. Hz	125	250	500	1000	2000	4000	NRC
1 inch	0.19	0.32	0.85	0.88	0.58	0.50	0.65
2 inch	0.32	0.75	1.20	1.10	0.90	0.63	0.99

American Micro Industries, Inc.

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<http://www.soundprooffoam.com>

SOFT SOUND FOAM PANEL™

FABRIC FACING

Physical Property	Value	Test Standard
Thickness	0.125"	n/a
Flammability	Class A Flame Spread Rating	ASTM E-84
	Passes Corner Burn	NFPA 265, UBC 8-2
	Pass	CAN/ULC-S102-M88

PROPERTIES (FOAM)

Physical Property	Value	Test Standard
Color	Light Gray	n/a
Thickness	1 or 2 inch	n/a
Density	0.7 lbs/ft ³	ASTM D-3574-86
Indentation Force	@ 25% = 82	ASTM D-3574-86
Deflection	@ 75% = 356	ASTM D-3574-86
Compression Set (73oF/50%r.H)	@ 50% = 6.2% @ 75% = 8.5% @ 90% = 14.4%	ASTM D-3574-86
Light Resistance 2 days UV (300-380nm)	No yellowing or pulverulence	ASTM D-3574-86
Thermal Conductivity	0.25BTU in/hr ft ² °F @ 68 °F	ASTM C-177 & C-518
Flammability	Meets	MVSS 302
	Meets	UTAC
	Meets	UL 94 HBF
	Meets	UL 94 HF-1
	Meets	UL 94 V-0
	Flame Spread Factor 2.25 Heat Evolution Factor 2.17 Flame Spread Index 4.62	ASTM E 162-83
	Class 1 (A) Flame Spread 5 Smoke Density 50	ASTM E 84
	Meets	FAR 25.853

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.

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