



## **AMS Needed Fiberglass MAT**

**AMS Needed mat** is 100% fiberglass that is mechanically bonded to form a blanket insulation material that complies with Mil-I-16411 Type 2 and ASTM C-1086-96.

**AMS Needed mat** offers uniform thickness and density, high temperature performance up to 1200 degrees F, and contains no binders.

**AMS Needed mat** is non-combustible. Flame Spread = 0 Smoke Developed = 0

**AMS Needed mat** has excellent thermal K at elevated temperatures, is non toxic, and has exceptional sound absorption properties.

**AMS Needed mat** is used in the construction of removable insulation pads, stress relieving blankets, and many other applications where high temperature protection and flexibility are required.

### PHYSICAL PROPERTIES

THICKNESS	DENSITY (oz/sf)	WIDTH (in)	LENGTH (ft)
1/4"	4	60	150
1/2"	6	60	75
3/4"	12	60	45
1	15	60	45

### ACOUSTICAL PERFORMANCE

FREQUENCY (Hz)	SOUND ABSORPTION COEFFICIENTS (sabins/sf)		
	1/4"	1/2"	1"
250	.04 +/- .04	.07 +/- .02	.29 +/- .04
500	.17 +/- .02	.30 +/- .03	.86 +/- .03
1000	.40 +/- .04	.72 +/- .08	.95 +/- .04
2000	.68 +/- .03	.94 +/- .05	.92 +/- .03
4000	.94 +/- .05	.97 +/- .05	.95 +/- .03

### SPECIFICATION COMPLIANCE:

Mil-I-16411, USCG 164.009, USCG 164.109, ASTM C-1086, ASTM C 1094. When required and specified by the customer Mil-I-24244, NRC 1.36 and ASTM C-795

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