



## AMAMAT™

AMAMAT™ is comprised of an assortment of long glass fibers randomly oriented into a uniform blanket. Applications include insulation matting for high temperature insulation blankets and sound suppression. Excellent for removable insulation pads, power generating equipment, industrial furnaces and piping. Resistant to most chemicals, offers good thermal protection to temperatures up to 1200 degrees F.

## About AMATEX Corporation

Amatex manufactures industrial heat resistant textiles featuring Thermoglass™ fiberglass products, silica fabrics, and proprietary treated and coated products. These items include broad woven roll goods and narrow products in the form of woven and knitted tapes, sleeving, rope, and gasketing. With fiberglass and silica as the base textile, Amatex offers top and immersion coatings of Silicone, Teflon, Vermiculite, Neoprene, and Acrylic. Heat treating, dyeing, and coloration of the coatings are also available.

### **Amatex fabrics are commonly used in the following applications:**

- Welding Cloth
- Foundry Cloth
- Insulation Cloth
- Heat Shield
- Gasketing
- Marine Insulation
- Industrial Insulation
- Pad Cloth
- Fire Barriers
- Fire Curtains
- Industrial Belting
- Filtration
- Expansion Joints
- Protective Clothing

## Over 100 Years

*Proud American Manufacturers of Industrial Textiles*

# AMAMAT™ Data Sheet

Normal Thickness*	1/8"	1/4"	1/2"	3/4"	1"
<b>Base Product</b>	Fiberglass Mat-"E" Glass	Fiberglass Mat-"E" Glass	Fiberglass Mat-"E" Glass	Fiberglass Mat-"E" Glass	Fiberglass Mat-"E" Glass
<b>Color/Appearance</b>	White	White	White	White	White
<b>Available Widths, standard ***</b>	60 in.	60 in.	60 in.	60 in.	60 in.
<b>Roll Length, feet</b>	150 ft.	150 ft.	75 ft.	60 ft.	45 ft.
<b>Construction, Random Fiber Orientation</b>					
Area, sqft/roll	750	750	375	300	225
Density (Weight), PCF, average**	12 PCF	9 PCF	12 PCF	12 PCF	11.25 PCF
Weight, lbs/roll**	94	188	188	225	211
<b>Sound Absorption, Sabins/sqft/Frequency (Hz) +/- .05 ave.</b>					
250 Hz	--	0.04	0.07	--	0.29
500 Hz	--	0.17	0.3	--	0.86
1000 Hz	--	0.4	0.72	--	0.95
2000 Hz	--	0.68	0.94	--	0.92
4000 Hz	--	0.94	0.97	--	0.95
<b>Density (Weight per cubic foot in Lbs.)</b>	MIL-I-16411	9.0 Lb	6 OZ/SQ.FT=9 PCF	12.25 OZ.SQFT = 12.25 PCF	15 OZ/SQFT=11.25 PCF
<b>Thermal Conductivity (Btu - in/hr-sqft - deg. F)</b>					
@300 deg. F		0.4			
@500 deg. F		0.5			
@700 deg. F		0.65			
<b>Temperature Tolerance</b>	Up to 1200 degrees F; Higher for brief periods	Up to 1200 degrees F; Higher for brief periods	Up to 1200 degrees F; Higher for brief periods	Up to 1200 degrees F; Higher for brief periods	Up to 1200 degrees F; Higher for brief periods
<b>Base Mat Certifications</b>			MIL-I-16411F, USCG 164.009; MIL-STD-45662A, NRC 1.36; Can be tested & certified to MIL-I-24244C, U/L listed ref. # R11184 (0 Flame Spread, 0 Smoke)	MIL-I-16411F, USCG 164.009; MIL-STD-45662A, NRC 1.36; Can be tested & certified to MIL-I-24244C, U/L listed ref. # R11184 (0 Flame Spread, 0 Smoke)	MIL-I-16411F, USCG 164.009; MIL-STD-45662A, NRC 1.36; Can be tested & certified to MIL-I-24244C, U/L listed ref. # R11184 (0 Flame Spread, 0 Smoke)
<b>Chemical Resistance</b>	Excellent except Hydrofluoric and hot Phosphoric acid and wet Hydrogen Chloride	Excellent except Hydrofluoric and hot Phosphoric acid and wet Hydrogen Chloride	Excellent except Hydrofluoric and hot Phosphoric acid and wet Hydrogen Chloride	Excellent except Hydrofluoric and hot Phosphoric acid and wet Hydrogen Chloride	Excellent except Hydrofluoric and hot Phosphoric acid and wet Hydrogen Chloride
<b>Solvent Resistance</b>	Excellent	Excellent	Excellent	Excellent	Excellent
<b>Electrical Properties</b>	High dielectric strength, low constants	High dielectric strength, low constants	High dielectric strength, low constants	High dielectric strength, low constants	High dielectric strength, low constants
<b>Other</b>	Non-toxic, non-combustible, odorless, non-corrosive, non-decay-mold, excellent sound stop.	Non-toxic, non-combustible, odorless, non-corrosive, non-decay-mold, excellent sound stop.	Non-toxic, non-combustible, odorless, non-corrosive, non-decay-mold, excellent sound stop.	Non-toxic, non-combustible, odorless, non-corrosive, non-decay-mold, excellent sound stop.	Non-toxic, non-combustible, odorless, non-corrosive, non-decay-mold, excellent sound stop.

\* Thickness Range +/- 12%

\*\* Weight Range +/- 12%1

\*\*\*Other widths available with minimums  
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