



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"
Base Product	Fiberglass Mat-"E" Glass	Fiberglass Mat-"E" Glass	Fiberglass Mat-"E" Glass	Fiberglass Mat-"E" Glass	Fiberglass Mat-"E" Glass
Color/Appearance	White	White	White	White	White
Available Widths, standard	60 in.	60 in.	60 in.	60 in.	60 in.
Roll Length, feet	150 ft.	150 ft.	75 ft.	60 ft.	45 ft.
Construction, Random Fiber Orientation					
Area, sqft/roll	750	750	375	300	225
Density (Weight), oz./sqft, average**	2 oz	4 oz	8 oz	12 oz	15 oz
Weight, lbs/roll**	94	188	188	225	211
Sound Absorption, Sabins/sqft/Frequency (Hz) +/- .05 ave.					
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
Density (Weight per cubic foot in Lbs.)	9.4 Lb	9.4 Lb	10.4 Lb	10.4 Lb	11.25 Lb
Thermal Conductivity (Btu x in/hr/sqft x ft/deg. F)					
@300 deg. F		0.4			
@500 deg. F		0.5			
@700 deg. F		0.65			
Temperature Tolerance	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
Base Mat Certifications	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)	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)
Chemical Resistance	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
Solvent Resistance	Excellent	Excellent	Excellent	Excellent	Excellent
Electrical Properties	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
Other	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%