



ENVIRONMENTAL PROTECTION PRODUCTS AND THERMAL BARRIERS For A Green World

CERMEX® MT1000 NEEDED FIBERGLASS MAT

CERMEX® MT1000 Fiberglass Mat is comprised of high purity, highly resilient E-glass fibers, and is shot-free. Lightweight and strong, CERMEX® MT1000 Fiberglass Mat is very efficient as thermal insulation in most high heat environments for extended periods at elevated temperatures. The absence of organic or synthetic binders makes this product smoke-free on heat-up, and allows the product to remain mechanically stable even after exposure to extreme temperatures.



AVERAGE PHYSICAL PROPERTIES

Material	High-purity E-Glass		
Construction	Needled and felted blanket/mat		
Thickness, inches, nominal	.250, .500, 1.00 (+/- .125)		
Temperature Rating			
Continuous use	1000°F • 538°C		
Short term	1200°F • 648°C		
Melting Point	2050°F • 1120°C		
Density, lbs/ft ³	9 - 11		
Width, inches	60 (+1, - 1/2)		
Thermal Conductivity, BTU-in/hr/sf	0.40 @ 300°F • 149°C		
	0.50 @ 500°F • 260°C		
	0.65 @ 700°F • 371°C		
Sound absorption coefficients, Sabins/sf			
Frequency (Hz)	1" thick	1/2" thick	1/4" thick
250	.20 +/- .04	.07 +/- .02	.04 +/- .04
500	.86 +/- .03	.30 +/- .03	.17 +/- .02
1000	.95 +/- .04	.72 +/- .08	.30 +/- .03
2000	.92 +/- .03	.94 +/- .05	.68 +/- .03
4000	.95 +/- .05	.97 +/- .05	.94 +/- .05

Tolerance is +/- 10% unless otherwise stated.

The technical data presented herein are indicative of representative properties and are intended as a specification guide only. No warranties are expressed or implied as application conditions are beyond our control.

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