



Mid-Mountain Materials

THE FINAL BARRIER AGAINST ABRASION, CHEMICALS AND HEAT

CERMEX[®] MT1000 NEEDED FIBERGLASS MAT

CERMEX[®] MT1000 fiberglass mat is comprised of high purity E-Glass fibers. These long fibers are mechanically needed into high strength, binderless insulation materials that are available in a wide range of thicknesses. CERMEX[®] MT1000 is lightweight, strong, and highly efficient as 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.

PHYSICAL CHEMISTRY

Material	High purity E-Glass
Construction	Needed & Felted Blanket

CHARACTERISTICS

- Non-combustible
- Good drapability
- Will not contribute to metal corrosion
- Will not decay, sustain mold or vermin
- Excellent vibration resistance
- Odorless – will not absorb odors
- Excellent sound absorption qualities
- Flame spread / smoke generated – 0/0

AVERAGE PHYSICAL PROPERTIES

Temperature Limit, °F • °C	Continuous use	1000 • 538		
	Short term	1500 • 816		
	Melting temperature	2050 • 1120		
Density, lb/cu ft	9 to 11			
Thickness, inches, nominal	1/4, 1/2, 1			
Width, inches, nominal	60			
Roll length, lineal ft.	1/4" = 150	1/2" = 75	1" = 45	
Sound absorption coefficients, Sabins/sq ft	Frequency	1" thick	1/2" thick	1/4" thick
	250	.29 +/- .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	
Thermal Conductivity, BTU-in/ht/sq ft/°F	300°F • 149°C	0.40		
	500°F • 260°C	0.50		
	700°F • 371°C	0.65		

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.