



Mid-Mountain Materials

THE FINAL BARRIER AGAINST ABRASION, CHEMICALS AND HEAT

CERMEX® PR1800SW THERMAL INSULATION PAPER

PHYSICAL CHEMISTRY

Material	Alkaline Earth Silicate Wool
Construction	Paper, organic binder

AVERAGE PHYSICAL PROPERTIES

Available thicknesses, in • mm	1/8" = 0.125 • 3.125 1/4" = 0.250 • 6.25	
Color	White	
Width, in	12, 24, 48	
Density, lb./cu ft. • kg/cu m	10-13 • 160-208	
Tensile strength, psi. • (Mpa)		
Standard Material	75-100 • (0.52-0.69)	
Fired Material	5-10 • (0.03-0.06)	
Thermal Conductivity	°F • °C	BTU·in/hr°F • w/m·K
	500 • 260	.039 • 0.06
	1000 • 538	.65 • 0.09
	1500 • 816	1.04 • 0.15
	1800 • 982	1.35 • 0.19
	2000 • 1093	Not Tested
Temperature Limit, °F • °C		
Maximum Use	2012 • 1100	
Continuous Use	1832 • 1000	
Melting Point	2372 • 1300	
Loss of ignition, %	5-10	
Fiber Index, %	60	
Chemical Analysis (%)		
Silica, SiO ₂	60-70	
Alumina, Al ₂ O ₃	trace	
Calcium Oxide, CaO	25-35	
Magnesium Oxide, MgO	4-7	
Other	1	

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.