



## Gemcolite® Ceramic Fiber Insulation Board - 2300 Series

### Properties & Characteristics

Standards and Options			
Standard Thickness	1/4" to 2" ; other thickness up to 7" available upon request		
Standard Size	24" x 29" , 24" x 36" , 24" x 48" , and 33" x 66" ; other sizes available		
Densities	-LD (14-18 lbs/ft <sup>3</sup> ) for most standard applications (available in wet blanket form) -MD (22-26 lbs/ft <sup>3</sup> ) where a slightly more rigid composition is required -HD (28-32 lbs/ft <sup>3</sup> ) for applications requiring rigid and/or abrasion resistant composition		
Properties and Characteristics			
	LD	MD	HD
Color before Firing	Off-White	Off-White	Off-White
Color after Firing	White	White	White
Maximum Use Limit	2300° F (1260°C)	2300° F (1260°C)	2300° F (1260°C)
Melting Point	3260° F (1780°C)	3260° F (1780°C)	3260° F (1780°C)
Linear Shrinkage			
	Percentage at 24 Hours		
Temperature	LD	MD	HD
1400° F (760°C)	0.27%	0.10%	0.11%
1600° F (870°C)	1.69%	N/A	0.32%
2000° F (1095°C)	2.93%	2.21%	1.70%
Approximate Thermal Conductivity			
	Btu•in/hr•ft <sup>2</sup> •°F		
Mean Temperature	LW	MW	HW
400° F (205°C)	0.36	0.52	N/A
800° F (425°C)	0.56	0.72	0.55
1200° F (650 C)	1.02	1.00	0.80
1600° F (870°C)	1.34	1.33	1.00
2000° F (1095°C)	2.00	1.82	1.22

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