



15660 South LaSalle Street  
 South Holland, IL 60473  
 Phone: 708-339-6810  
 Fax: 708-339-0517  
[www.armilcfs.com](http://www.armilcfs.com)

## Marinite Structural Insulating Boards

- CS85            Excellent strength and electrical resistivity at temperatures to 1800°F.
- Marinite I     Combine structural strength and high insulating values
- Marinite P     High compressive strength
- Marinite A     Non-wetting to molten aluminum

Marinite Products come standard in 4' x 8' Sheets. All boards can be fabricated into custom shapes.

High Temperature Structural Insulations	Marinite CS85	Marinite I Calcium silicate	Marinite P Calcium silicate	Marinite A Calcium silicate
<b>Composition</b>	Calcium Silica	Calcium Silica	Calcium Silica	Calcium Silica
<b>Density</b>	85 pcf	46 pcf	60 pcf	65 pcf
<b>Linear Shrinkage 24 Hour Isothermal Soak @ Use Temperature</b>	0.24% 1600°F	0.4% 1200°F	0.6% 1200°F	0.28% 1350°F
<b>Thermal Conductivity (btu in/hr°F sq ft)</b>				
<b>@400°F</b>	2.13	0.81	1.13	
<b>@800°F</b>	1.94	0.81	1.16	1.92
<b>@1000°F</b>	2.01	0.86	1.17	2.01
<b>@1600°F</b>	2.27			
<b>Compressive Strength</b>	6400 (5% deformation)	1000 (5% deformation)	3050 (5% deformation)	3000 psi
<b>Flexural Strength</b>		800 psi	1400 psi	1400 psi
<b>Dielectric Strength</b>	61 volts/mil	45 volts/mil	46 volts/mil	
<b>Electrical Resistivity</b>	4.52 x 10 <sup>12</sup> Ohm-cm	9.8 x 10 <sup>7</sup>	5.0 x 10 <sup>8</sup>	

This information, which is subject to change, is offered solely for your consideration and is not a warranty or representation for which we assume legal responsibility