



**CLAYBURN INDUSTRIES LTD.**

33765 PINE STREET  
 ABBOTSFORD, BC  
 CANADA V2S 5C1  
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TECHNICAL DATA - TYPICAL  
 INSULATING CASTABLES  
**THERMOLITE 22G**

(Gunned Data)

Classification	A lightweight 2200°F insulating castable suitable for gunning applications		
Service Limit	2200°F		(1205°C)
Dry Weight Required to Place 1 cu. ft. (m <sup>3</sup> )	58 lbs		(929 Kg)
<u>Linear Change on Heating</u>			
230°F	(110°C)	Nil %	
1500°F	(816°C)	-0.4 to -1.0%	
2100°F	(1149°C)	-1.0 to -1.5%	
<u>Cold Crushing Strength</u>			
230°F	(110°C)	400-900 lbs/in <sup>2</sup>	(2.8-6.2 MPa)
1500°F	(816°C)	300-700 lbs/in <sup>2</sup>	(2.1-4.8 MPa)
<u>Thermal Conductivity (Mean Temp)</u>			
400°F	(204°C)	<u>Btu/ft<sup>2</sup>•Hr•°F/in</u>	<u>W/mK</u>
800°F	(427°C)	1.86	0.27
1200°F	(649°C)	1.99	0.29
		2.19	0.32
<u>Chemical Analysis</u>			
Silica	SiO <sub>2</sub>	38.5%	
Alumina	Al <sub>2</sub> O <sub>3</sub>	29.9%	
Iron	Fe <sub>2</sub> O <sub>3</sub>	8.6%	
ASTM Designation	C401 Class "P"		

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**ALL DATA SUBJECT TO REASONABLE DEVIATION AND THEREFORE  
 SHOULD NOT BE USED FOR SPECIFICATION PURPOSES**