



**CLAYBURN INDUSTRIES LTD.**

33765 PINE STREET  
 ABBOTSFORD, BC  
 CANADA V2S 5C1  
 PHONE: (604) 859-5288  
 FAX: (604) 859-0424



**TECHNICAL DATA - TYPICAL**  
**INSULATING CASTABLES**  
**THERMOLITE 25**

Classification	A medium lightweight 2500°F insulating castable		
Service Limit	2500°F		(1370°C)
Dry Weight Required to Place 1 cu. ft. (m <sup>3</sup> )	82 lbs		(1314 Kg)
Approx. Water Required for Placement	28%		
<u>Linear Change on Heating</u>			
230°F	(110°C)	Nil %	
1500°F	(816°C)	-0.1 to -0.4%	
2300°F	(1260°C)	-0.5 to -1.5%	
<u>Cold Crushing Strength</u>			
230°F	(110°C)	600-1000 lbs/in <sup>2</sup>	(4.1-6.9 MPa)
1500°F	(816°C)	400-800 lbs/in <sup>2</sup>	(2.8-5.5 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)	2.6	0.37
1200°F	(649°C)	2.7	0.39
		2.9	0.42
<u>Chemical Analysis</u>			
Silica	SiO <sub>2</sub>	46.1%	
Alumina	Al <sub>2</sub> O <sub>3</sub>	31.6%	
Iron	Fe <sub>2</sub> O <sub>3</sub>	7.1%	
ASTM Designation	C401 Class "Q"		

JAN 05

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