



CLAYBURN INDUSTRIES LTD.

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 ABBOTSFORD, BC
 CANADA V2S 5C1
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TECHNICAL DATA - TYPICAL

INSULATING CASTABLES

THERMOLITE 22

Classification	A lightweight 2200°F insulating castable		
Service Limit	2200°F		(1205°C)
Dry Weight Required to Place 1 cu. ft. (m ³)	56 lbs		(897 Kg)
Approx. Water Required for Placement	43%		
<u>Linear Change on Heating</u>			
230°F	(110°C)	Nil %	
1500°F	(816°C)	-0.2 to -0.6%	
2100°F	(1149°C)	-1.0 to -2.0%	
<u>Cold Crushing Strength</u>			
230°F	(110°C)	500-900 lbs/in ²	(3.4-6.2 MPa)
1500°F	(816°C)	400-700 lbs/in ²	(2.8-4.8 MPa)
2100°F	(1149°C)	400-700 lbs/in ²	(2.8-4.8 MPa)
<u>Thermal Conductivity (Mean Temp)</u>		<u>Btu/ft²•Hr•°F/in</u>	<u>W/mK</u>
400°F	(204°C)	1.73	0.25
800°F	(427°C)	1.86	0.27
1200°F	(649°C)	1.99	0.29
<u>Chemical Analysis</u>			
Silica	SiO ₂	40.7%	
Alumina	Al ₂ O ₃	31.0%	
Iron	Fe ₂ O ₃	7.5%	
ASTM Designation	C401 Class "P"		

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