



CLAYBURN INDUSTRIES LTD.

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 ABBOTSFORD, BC
 CANADA V2S 5C1
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TECHNICAL DATA - TYPICAL

INSULATING CASTABLES

THERMOLITE 20

Classification	A lightweight 2000°F insulating castable		
Service Limit	2000°F		(1093°C)
Dry Weight Required to Place 1 cu. ft. (m ³)	52 lbs		(833 Kg)
Approx. Water Required for Placement	52%		
<u>Linear Change on Heating</u>			
230°F	(110°C)	Nil %	
1500°F	(816°C)	-0.3 to -0.8%	
1900°F	(1038°C)	-0.7 to -1.5%	
<u>Cold Crushing Strength</u>			
230°F	(110°C)	300-600 lbs/in ²	(2.1-4.1 MPa)
1500°F	(816°C)	300-500 lbs/in ²	(2.1-3.4 MPa)
<u>Thermal Conductivity (Mean Temp)</u>		<u>Btu/ft²•Hr•°F/in</u>	<u>W/mK</u>
400°F	(204°C)	1.56	0.22
800°F	(427°C)	1.68	0.24
1200°F	(649°C)	1.80	0.26
<u>Chemical Analysis</u>			
Silica	SiO ₂	42.2%	
Alumina	Al ₂ O ₃	29.7%	
Iron	Fe ₂ O ₃	7.4%	
ASTM Designation	C401 Class "O"		

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