



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA - TYPICAL

INSULATING BRICK

CLAYTHERM 23C

Classification	A low density, high strength, pressed insulating brick.		
Max. Service Temperature (back up)	2300°F	(1260°C)	
Bulk Density	56 - 62 lbs/ft ³	(0.9-1.0 g/cm ³)	
Cold Crushing Strength	1160 - 1890 lbs/in ²	(8.0-13.0 MPa)	
<u>Linear Change on Reheating</u>			
1550°F	(840°C)	0.0%	
1650°F	(900°C)	0.0%	
2300°F	(1260°C)	-0.5 to -1.5%	
<u>Thermal Conductivity</u>			
		<u>Btu/ft² Hr F/in</u>	<u>(W/mK)</u>
250°F	(121°C)	2.0	0.29
500°F	(260°C)	2.1	0.31
1000°F	(538°C)	2.4	0.35
<u>Chemical Analysis</u>			
Silica	SiO ₂	44 - 50%	
Alumina	Al ₂ O ₃	42 - 48%	

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