



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA - PRELIMINARY

REFRACTORY BRICK

SUPER XD

Classification	A low-iron, low-porosity super duty brick.	
Refractoriness P.C.E.	Cone 33-34	
Bulk Density (ASTM C133)	138.5-142 lbs/ft ³	(2.2-2.3 g/cm ³)
Cold Crushing Strength (ASTM C133)	3700-5500 lbs/in ²	(26-38 MPa)
Modulus of Rupture	1000-1450 lbs/in ²	(7.0-10.0 MPa)
Apparent Porosity (%)	15-17.5%	
Linear Change on Reheating 2910°F (1600°C) for 5 Hours	-0.2% to +0.2%	

Chemical Analysis (%)

Silica	SiO ₂	54-57
Alumina	Al ₂ O ₃	40-44
Titania	TiO ₂	1.8-2.4
Iron	Fe ₂ O ₃	0.6-0.9
Lime	CaO	0.2-0.3
Magnesia	MgO	0.2-0.3
Alkalis	Na ₂ O + K ₂ O	0.4-1.0

ASTM Designation C27-84

JAN 97

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