



CLAYBURN INDUSTRIES LTD.

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ABBOTSFORD, BC
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TECHNICAL DATA - TYPICAL

REFRACTORY BRICK

SUPER D

Classification	A general purpose super duty refractory brick	
Refractoriness P.C.E.	Cone 33-34	
Bulk Density	131-137 lbs/ft ³	(2.10-2.19 g/cm ³)
Cold Crushing Strength	2000-4000 lbs/in ²	(21-28 MPa)
Modulus of Rupture	700-1000 lbs/in ²	(4.8-6.9 MPa)
Apparent Porosity (%)	21-24%	
Linear Change on Reheating 2910°F (1600°C) for 5 Hours	+1.5% to +2.0	

Chemical Analysis (%)

Silica	SiO ₂	39-43%
Alumina	Al ₂ O ₃	50-54%
Titania	TiO ₂	2.5-3.5%
Iron	Fe ₂ O ₃	2.0-3.0%
Lime	CaO	0.3-0.7%
Magnesia	MgO	0.2-0.6%
Alkalis	Na ₂ O + K ₂ O	0.6-1.0%

ASTM Designation C27-84 - Super Duty

OCT 97

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