



IN GOD WE TRUST

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TECHNICAL DATA

BAJAJ C4 CAST (Low Cement Castable)

CHEMICAL ANALYSIS		BAJAJ C4 CAST (Typical)
Al ₂ O ₃	%	65
TiO ₂	%	1.4
SiO ₂	%	31.4
Fe ₂ O ₃	%	1.0
CaO	%	1.2
PHYSICAL PROPERTIES		
Refractoriness	PCE	36
Max Service Temperature	°C	1750
Bulk Density	kg/m ³	2450
Grain Size		Tailor made for different application
COLD CRUSHING STRENGTH		
after heating to	110°Kg/CM ²	700
	500°Kg/CM ²	850
	1000°Kg/CM ²	968
	1500°Kg/CM ²	1150
Drying Shrinkage	110°C	0.1
Linear Shrinkage after heating to	500°C	0.0
	1000°C	0.1
	1500°C	+0.3
Thermal conductivity	400°C(W/Mk)	1.38
	800°C(W/mK)	1.49
	1200°C(W/mK)	1.60
Alkali test (Scale 0-10)		2
Resistance to abrasion	g/cm ²	0.10
Resistance to thermal shock		extra high
Reversible linear expansion to 1000°C	%	0.55
Average water addition	%	4-6