



BAYCAST 1400

conventional castable for ease of application combined with good strength and abrasion resistance			
Classification			
General and Physical Properties	Bulk Density	Kg/m ³	2250
	Maximum Service Temperature	°C	1400
	Water required	l/100Kg	10-11
	Cold Crushing Strength at 25 °C	N/mm ² (MPa)	37
	at 1000°C	N/mm ² (MPa)	25
	Modulus of Rupture	N/mm ² (MPa)	6
	Permanent Linear Change After Heating at 1000°C	%	-0.1
	Refractoriness PCE Orton Cone		33
	Packaging		25Kg
Chemical Composition	Alumina (Al ₂ O ₃)	%	49.7
	Silica (SiO ₂)	%	31.5
	Magnesite (MgO)	%	0.4
	Lime (CaO)	%	6.1
	Iron Oxide (Fe ₂ O ₃)	%	3.4
	Silicon Carbide (SiC)	%	0.0
	Zirconia (ZrO ₂)	%	0.0
	Carbon (C)	%	0.0
	Chrome Oxide (Cr ₂ O ₃)	%	0.0
Thermal Expansion	400°C	%	0.25
	800°C	%	0.35
	1000°C	%	0.45
	1200°C	%	0.55
	1400°C	%	0.65
Thermal Conductivity	400°C	(W/m.K)	1
	600°C	(W/m.K)	1.1
	800°C	(W/m.K)	1.2
	1000°C	(W/m.K)	1.3