

FYRECAST 1400 / BAYCAST 1400

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
	Cold Crushing Strength 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
	Wear Resistance ASTM C 704	cm ³	
	Packaging	Kg	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

Conventional castable for ease of application combined with good strength and abrasion resistance