

<b>FYRECAST 1750 AC</b>			
<b>General and Physical Properties</b>	Bulk Density	Kg/m <sup>3</sup>	2700
	Maximum Service Temperature	°C	1750
	Water required	l/100Kg	6
	Cold Crushing Strength at 110 °C	N/mm <sup>2</sup> (MPa)	82
	Cold Crushing Strength at 1200 °C	N/mm <sup>2</sup> (MPa)	95
	Modulus of Rupture	N/mm <sup>2</sup> (MPa)	9
	Permanent Linear Change After Heating at 1000°C	%	-0.2
	Refractoriness PCE Orton Cone		>38
	Wear Resistance ASTM C 704	cm <sup>3</sup>	
	Packaging	Kg	25kg
<b>Chemical Composition</b>	Alumina (Al <sub>2</sub> O <sub>3</sub> )	%	82.8
	Silica (SiO <sub>2</sub> )	%	0.1
	Magnesite (MgO)	%	0.2
	Lime (CaO)	%	6.4
	Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	%	0.0
	Silicon Carbide (SiC)	%	0.0
	Zirconia (ZrO <sub>2</sub> )	%	0.0
	Carbon (C)	%	0.0
	Chrome Oxide (Cr <sub>2</sub> O <sub>3</sub> )	%	9.5
<b>Thermal Expansion</b>	400°C	%	0.35
	800°C	%	0.50
	1000°C	%	0.70
	1200°C	%	0.90
	1400°C	%	1.00
<b>Thermal Conductivity</b>	400°C	W/m.K	2.10
	600°C	W/m.K	2.10
	800°C	W/m.K	2.20
	1000°C	W/m.K	2.20