



CAROCAST 30

2018

CAROCAST 30 is a low ion, hydraulic setting castable exhibiting low shrinkage, volume stability and resistance to corrosive fuels, reducing atmospheres and carbon disintegration. Typical applications are burner blocks, soaking pit covers, firing hoods in rotary kilns and linings in forge furnaces.

Maximum recommended service temperature.....3000°F

<u>Test Temperature</u>	<u>Modulus of Rupture,</u> <u>p.s.i.</u>	<u>Cold Crushing,</u> <u>p.s.i.</u>	<u>Linear Change %</u>
220°F	700-900	3000-3500	-0.1
1000°F	400-500	2000-2500	-0.1
1500°F	400-500	2000-2500	-0.2
2000°F	350-500	150-1900	-0.5
2500°F	900-1200	3200-3400	+0.1
2750°F	1300-1500	3400-3800	+0.4

Chemical Analysis (%)

Alumina (Al ₂ O ₃)	60.0
Silica (SiO ₂)	33.5
Iron (Fe ₂ O ₃)	1.0
Titania (TiO ₂)	1.8
Lime (CaO).....	3.5
Magnesia (MgO).....	0.2

Water required for mixing -4.0-4.5 qtrs. Per 75# bag. (10.5-12.5%)

Material required for estimating – 130-140 lbs./ft³

Packaged in 75-pound bags, forty-eight bags per pallet (3600 pounds)