



RENO REFRACTORIES, INC

CLEANCAST CK

CLEANCAST CK is a low-cement, vibrating castable made with bauxite and 25% Silicon Carbide. Volume stability, thermal shock and alkali resistance are a few of its unique characteristics.

CLEANCAST CK ideal for a variety of applications. Some applications include cement kiln preheaters, nose rings, bull nose and cooler sections.

SERVICE TEMPERATURE: 2800°F (reducing)
MATERIAL REQUIRED : 165 lbs./cu. ft. (4.5% water)
CASTING WATER: 4.25 – 4.75%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	SIC	CaO	Other
61-63	7-9	<1.0	<2.0	<0.2	25	1.5	0.3

TYPICAL PHYSICAL PROPERTIES

Pre-fired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,960	10,260	Nil
750	2,419	11,440	-0.17
1500	2,475	14,401	-0.25
2000	3,268	15,298	-0.30
2500	2,990	15,700	-0.33

Coefficient for Thermal Expansion: 3.53×10^{-4}

Abrasion loss at 1500°F: < 3 cc

Abrasion loss at 2500°F: < 3 cc

Thermal Cycle Change (ASTM C-1171): -11%

PACKAGING: 55 lb. Bags, 72 per Pallet (3,960 lbs.)
1,500 lb. Bags, 2 per Pallet (3,000 lbs.)

21-030 E & 21-150 C

166060 – 10/22/21

The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.

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