



TECHNICAL DATA SHEET

JET CAST NC 67 is a high alumina no cement refractory designed to be installed by pumping or Reno Refractories patented Jet Cast installation technique. Quick installation, dry-out, high hot strength, high thermal shock, slag and metal penetration resistance are features of this product. JET CAST NC 67 is also more insulating than cement bonded castables with similar chemistry.

JET CAST NC 67 is recommended for cement kilns and iron contact applications.

SERVICE TEMPERATURE:	3000°F
MATERIAL REQUIRED FOR ESTIMATING:	162 lbs/ft ³
BINDER ADDITION (PUMPING):	10 – 11.5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	Ti O ₂
67	31	<1	<2

TYPICAL PHYSICAL PROPERTIES (Jet Cast)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,050 – 1,100	7,800 – 8,220	Nil
1,500	1,160 – 1,320	10,250 – 10,725	-0.3
2,000	1,700 – 2,250	15,100 – 16,890	-0.1
2,500	2,260 – 2,900	15,300 – 15,520	+0.7

ABRASION LOSS After 1500°F:	<8 cc
ABRASION LOSS After 2000°F:	<7 cc
ABRASION LOSS After 2500°F:	<6 cc

THERMAL SHOCK LOSS, ASTM 1100:	7%
HMOR (ASTM 583) at 2750°F:	893 psi (Orton)

PACKAGING: 1500 lb. bulk bags, 2 per pallet (3,000 lbs)
2000 lb. bulk bags, 2 per pallet (4,000 lbs)

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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.