



**RENO REFRACTORIES, INC**

**JET CAST NC 60**

**TECHNICAL DATA SHEET**

**JET CAST NC 60** 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 60 is also more insulating than cement bonded castables with similar chemistry.

**JET CAST NC 60** is recommended for iron contact applications in transfer ladles or as a back-up lining in torpedo ladles.

<b>SERVICE TEMPERATURE:</b>	3000°F
<b>MATERIAL REQUIRED FOR ESTIMATING:</b>	160 lbs/cf
<b>BINDER ADDITION:</b>	11 - 12%

**TYPICAL CHEMICAL ANALYSIS (Calcined Basis)**

Al <sub>2</sub> O <sub>3</sub>	Si O <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	Ti O <sub>2</sub>
57.0 – 62.0	38.0 – 42.0	.75 – 1.0	1.75 - 2.0

**TYPICAL PHYSICAL PROPERTIES**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	“K” Factor BTU-in/hr-ft <sup>2</sup> -°F
250	840 - 960	5,500 - 5,530	Nil	10.3
1,500	1090 - 1115	6,500 - 8,196	-0.0	11.05
2,000	1518 - 1722	6,880 - 8,090	-0.2	11.11
2,500	1749 - 1814	6,560 - 8,200	+0.3	11.04

<b>ABRASION LOSS After 1500°F:</b>	<11 cc
<b>ABRASION LOSS After 2000°F:</b>	<6 cc
<b>ABRASION LOSS After 2500°F:</b>	<4cc

**PACKAGING:** 1500 lb. bulk bags, 2 per pallet (3000 lbs)  
2000 lb. bulk bags, 2 per pallet (4000 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.

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