



TECHNICAL DATA SHEET

JET CAST 50 is a high alumina low cement castable specifically developed to be pumped/gunned into place using the "JET CAST" method of material placement.

JET CAST 50 is thoroughly mixed in mixers and pumped to the job and pneumatically applied. Applications include coal fired boiler ash hoppers, steel reheat furnaces and cement processing equipment.

SERVICE TEMPERATURE:	3000°F
MATERIAL REQUIRED FOR ESTIMATING:	144 lbs/cf
CASTING WATER:	3.25 qts./100 lbs.

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MgO	CaO
47.0 – 50.5	45.0 – 50.0	<0.90	<1.75	<0.15	1.75 – 2.0

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,900 – 2,400	8,500 – 10,000	---
1500	2,000 – 2,500	7,500 – 9,000	-0.1
2000	1,500 – 2,000	5,500 – 7,000	-0.2
2500	2,100 – 2,600	7,000 – 8,500	+0.4

PACKAGING: 1,500 lb. Bags, 2 per Pallet (3000 lbs.)  
2,000 lb. Bags, 2 per Pallet (4,000 lbs.)

143300 – 9/21/99

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.