



TECHNICAL DATA SHEET

RENO JET CAST NC 908 is a tabular alumina based no cement castable with chrome oxide addition. The colloidal silica based binder system utilizes nanotechnology to achieve minimum pore sizing. This material has high density, low porosity, high hot strengths and excellent resistance to iron, slag and thermal shock. It is easily installed by casting or shotcreting.

RENO JET CAST NC 908 has a chrome addition that enhances the corrosion resistance to high FeO containing slags and at higher temperatures the thermal conductivity decreases. This material works well in cupola melt zones where erosive conditions exist.

SERVICE TEMPERATURE:	3200°F
MATERIAL REQUIRED FOR ESTIMATING:	188 lbs/cf
BINDER ADDITION:	9-10% by weight
STORAGE LIFE:	1 year

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	Cr ₂ O ₃	Alk.
85.8	6.6	0.1	7.5	0.2

TYPICAL PHYSICAL PROPERTIES (Jet Cast Panels)

Prefired To °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	PLC %	Porosity %	Thermal K BTU/Ft-°F
250	1,945	6,913	-0.5	-	
1500	2,861	11,362	-0.4	16.7	20.3
2500	2,057	14,563	-0.6	14.6	15.9

HOT MOR @2500°F (Orton): 614 psi

ABRASION LOSS After 2000°F: <5 cc

ABRASION LOSS After 2500°F: <5 cc

PACKAGING: 55 lb. Bags, 72 per Pallet (3960 lbs.)

186000 10/29/14

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.