



RENO REFRACTORIES, INC

RENO CAST 50 UL

TECHNICAL DATA SHEET

**RENO CAST 50 UL** is a low moisture, low cement, coarse aggregate, super duty castable for service up to 3000°F. This product has superior strength and abrasion resistance as compared to conventional castables of the same classification.

**SERVICE TEMPERATURE:** 3000°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 145 lbs/cu.ft.  
**CASTING WATER:** 6.5 - 7%

**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	Alkalies	Other
49 – 50	46 – 47	0.8	1.2	0.1	1.4	0.2	0.2

**TYPICAL PHYSICAL PROPERTIES**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,550	8,300	Nil
1500	1,950	10,800	-0.2
2000	2,400	12,100	-0.2
2500	2,650	13,500	+0.5

**ABRASION LOSS after 1500°F:** <8 cc

**APPARENT POROSITY:** 13% after 1500°F

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

143800 – 5/28/10

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.

Reno Refractories, PO Box 201, Morris, Alabama 35116  
205.647.0240 | Toll Free 1.800.741.7366