



RENO REFRACTORIES, INC

RENO CAST 98 UL

TECHNICAL DATA SHEET

RENO CAST 98 UL is a high alumina, volume stable, ultra-low cement castable. It demonstrates high hot strengths and density to resist abrasion and erosion at elevated temperatures. Low porosity reduces penetration and reaction by molten metal and slags. **RENO CAST 98 UL** is ideal for use in a variety of severe applications.

SERVICE TEMPERATURE: 3200°F
MATERIAL REQUIRED FOR ESTIMATING: 196 lbs./cu. ft.
CASTING WATER: 4 - 5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
98.8	0.1	Nil	Nil	Nil	0.9	0.1	0.1

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	2,940	12,000	Nil
1500	6,050	18,000	-0.2
2000	7,280	23,000	-0.4
2500	7,390	13,900	-0.7
3000	6,210	19,800	-0.2

ABRASION LOSS after 1500°F: 2.0 cc loss
ABRASION LOSS after 2500°F: 2.4 cc loss

HOT MODULUS OF RUPTURE @ 1500°F: 4750 psi
HOT MODULUS OF RUPTURE @ 2500°F: 1584 psi

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

164500 – 10/09/09

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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