



TECHNICAL DATA SHEET

RENO CAST 8067 XLC is a version of our high alumina ultralow cement castable incorporating large aggregate. It demonstrates high strengths and resists abrasion and erosion at elevated temperatures. Low porosity reduces penetration and reaction by molten metal, oxide and slag.

RENO CAST 8067 XLC is recommended for steel applications that include ladles, delta sections and tundishes.

SERVICE TEMPERATURE:	3200°F
MATERIAL REQUIRED FOR ESTIMATING:	172 lbs./ft ³
CASTING WATER:	approx. 5 - 6%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
82 – 84	14.3	0.5	0.6	0.1	1 – 2	0.3	0.4

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	Porosity %
250	635 – 825	4,000 – 5,000	-0.3	10.9
1500	1,100 – 1,500	7,000 – 10,000	-0.7	15.7
2500	1,400 – 1,600	12,000 – 14,500	-0.6	14.3
3000	1,050 – 1,350	9,000 – 10,250	-0.3	11.8

ABRASION LOSS after 1500°F:	3 cc
2500°F:	3 cc

COEFFICIENT OF THERMAL EXPANSION:	3.6 X 10 ⁻⁶ in/in/°F
THERMAL SHOCK (after 2000°F):	23% MOR Loss(ASTM C-1171)

PACKAGING: 55 lb. Bags, 72 per Pallet (3,960 lbs.)
2000 lb. Bags, 2 per Pallet (4,000 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.