



TECHNICAL DATA SHEET

RENO CAST 65 XCLC is a high alumina, low cement, low moisture, mullite based, coarse castable that provides high strength, low porosity and high abrasion resistance.

RENO CAST 65 XCLC is ideal for metal and slag contact applications.

SERVICE TEMPERATURE: 3000°F
 MATERIAL REQUIRED FOR ESTIMATING: 158 lbs./cu. ft.
 CASTING WATER: 5 - 6%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
65 – 66	29 – 31	1.0	1.9	0.1	1.7	0.2	0.4

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	2,550	11,100	-0.1
1500	3,360	15,920	-0.3
2000	4,080	15,732	-0.4
2500	4,440	16,750	+0.2

ABRASION LOSS: <7 after 1500F <5 after 2000F
APP. POROSITY: 14.4% After 1500F
THERMAL SHOCK AFTER 2000°F: 27% Loss

PACKAGING: 55 lb. Bags, 72 per Pallet (3960 lbs.)
 1500 lb. Bags, 2 per Pallet (3000 lbs.)
 2000 lb. Bags, 2 per Pallet (4000 lbs.)

149700 – 11/06/12

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.