



RENO REFRACTORIES, INC

RENO CAST 6059A

TECHNICAL DATA SHEET

**RENO CAST 6059A** is a high alumina-silicon carbide ultra low cement castable.

**RENO CAST 6059A** has high density, low porosity, high strength and excellent resistance to iron, slag, thermal shock and oxidation.

**RENO CAST 6059A** is suggested for tilters, troughs, torpedo and transfer ladles, and skimmer blocks.

<b>SERVICE TEMPERATURE:</b>	3000°F (Reducing)
<b>MATERIAL REQUIRED FOR ESTIMATING:</b>	173 lbs./cu. ft.
<b>STORAGE LIFE:</b>	1 year
<b>WATER ADDITION:</b>	5-6%

**TYPICAL CHEMICAL ANALYSIS** (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	TiO <sub>2</sub>	CaO	SiC
77	10	1	1	7

**TYPICAL PHYSICAL PROPERTIES** (Reducing conditions above 250°F)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,400	5,420	Nil
1500	1,660	9,100	-0.2
2000	2,745	12,873	-0.2
2500	2,810	>16,650	+1.2

Porosity fired to 2730F: 13-15%

**PACKAGING:** 55 lb. Bags, 72 per Pallet (3,960 lbs.)  
2000 lb. bulk 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.

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