



**RENO REFRACTORIES, INC**

**RENO CAST SUPER ABRABRADE 60Z**

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**TECHNICAL DATA SHEET**

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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.

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

**RENO CAST SUPER ABRABE 60Z** is a high alumina, very strong, thermal shock resistant, mullite based low cement castable with zircon added for enhanced chemical and thermal shock resistance. This product can be vibrated or pumped into place. It also has positive expansion at high temperatures.

**RENO CAST SUPER ABRABE 60Z** is a high purity, volume stability, and low porosity which is ideal for contact with iron, steel and slags. It is also recommended for aggregate kilns, cement kiln risers, coolers, curbs or anywhere abrasion or alkali attack is a problem.

**SERVICE TEMPERATURE:** 3000°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 150 lbs./cu. ft.(cast)  
**CASTING WATER:** 5-6%  
**PUMPING WATER:** 6-7%

#### 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	Zircon
57	35	0.9	1.6	0.1	2 – 3	0.2	4 - 5

#### TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	2,050	8,714	Nil
1500	2,760	10,300	-0.4
2500	2,100	9,700	+0.9

**Coefficient of Thermal Expansion:** 2.80 x 10<sup>-6</sup> in/in/°F  
**Thermal Conductivity @ 2000°F:** 9.1 Btu-in/hr-ft<sup>2</sup>-°F

**ABRASION LOSS AFTER 1000°F:** <5 cc (vibrated)  
**ABRASION LOSS AFTER 1500°F:** <5 cc (vibrated)  
<7 cc (pumped)

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

145700 – 3/24/16

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