



RENO REFRACTORIES, INC

**SUPER ABRADE LT-G**

**TECHNICAL DATA SHEET**

**SUPER ABRADE LT-G** is a high strength, abrasion resistant material designed for gunning.

**SUPER ABRADE LT-G** can also be tamped. The material guns with non-slumping performance when installed on anchored surfaces such as hex mesh or similar. Typical applications include duct-work, fan housings, transfer lines cyclones, classifier cones, and other high abrasion environments.

**SERVICE TEMPERATURE:** 2300°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 170 lbs/cf  
**WATER REQUIRED:** Adjust at Nozzle

**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>	CaO	P <sub>2</sub> O <sub>5</sub>	Other
84	7 – 8	0.7	2.3	1 – 2	3

**TYPICAL PHYSICAL PROPERTIES**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	“K” Factor Btu-in/hr-ft <sup>2</sup> °F
250	1,300 – 1,600	4,000 – 6,000	Nil	12.28
1500	2,400 – 2,800	6,000 – 7,000	-0.3	12.48
2000	2,800 – 3,000	7,000 – 7,700	-0.5	12.55

**Coefficient of Thermal Expansion:** 2.71x10<sup>-6</sup> in/in/°F

**ABRASION LOSS (ASTM C-704) Gunned:** < 3 cc after 1500°F  
< 3 cc after 1800°F

**PACKAGING:** 55 lb. Bags, 72 per Pallet (3,960 lbs.)  
55 lb. Bags, 64 per Pallet (3,520 lbs.)

127200 – 3/16/13

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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