

## ProGun LC 50RAG

*ProGun LC 50RAG IS A 1600°C LOW CEMENT, ALKALINE RESISTANT GUN MIX WHICH IS IDEALLY GRAIN SIZED TO GIVE EXCELLENT GUNNABILITY, MINIMUM POROSITY AND LINEAR CHANGE WITH MAXIMUM DENSITY AND FIRED STRENGTHS. THIS PRODUCT IS DESIGNED TO WITHSTAND SEVERE HIGH TEMPERATURE ATMOSPHERIC, EROSION AND CORROSIVE ENVIRONMENTS. TYPICAL APPLICATIONS TYPICAL DATA BASED ON GUNNED SAMPLES :*

**MAXIMUM SERVICE TEMPERATURE (M.S.T.)** (1600°C)

**BULK DENSITY**

@ 815°C	132	LBS/FT <sup>3</sup>	2110	KG/M <sup>3</sup>
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**COLD CRUSHING STRENGTH**

@ 540°C	6500 - 9000	P.S.I.	448 - 621	KG/CM <sup>2</sup>
@ 815°C	7000 - 9000	P.S.I.	490 - 621	KG/CM <sup>2</sup>

**COLD MODULUS OF RUPTURE**

@ 540°C	1000 - 1500	P.S.I.	69 - 103	KG/CM <sup>2</sup>
@ 815°C	1000 - 1500	P.S.I.	69 - 103	KG/CM <sup>2</sup>

**PERMANENT LINEAR CHANGE**

@ 815°C	- 0.10 TO - 0.30 %
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<b>EROSION LOSS (ASTM C-704) @815°C Less than 12.0cc</b>
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**POROSITY** @ 815°C 26 %

**CONDUCTIVITY OR "K" FACTOR**

	<u>BTU/FT<sup>2</sup>/HR/°F/IN</u>	<u>W/mK</u>
500°F (260°C)	7.50	1.07
1000°F (540°C)	7.30	1.03
1500°F (815°C)	7.40	1.07

**TYPICAL CHEMICAL ANALYSIS (%)**

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	TiO <sub>2</sub>	ALK
47.7	46.6	1.1	2.3	0.2	0.8	0.6

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice. RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet