



# Low Cement Gun Mix

## Product Data

### ProGun LC 70-15

**ProGun LC 70-15** is a low-cement gun mix containing 15% silicon carbide, and is designed to provide minimum porosity and linear change with maximum density and super high fired strengths. **ProGun LC 70-15** can withstand severe high temperature erosive and corrosive environments. Data shown are average results of tests following the guidelines set forth in ASTM C-903 "Preparing Refractory Concrete Specimens by Cold Gunning".

**Maximum Service Temperature:** 2910°F (1600°C)

**Bulk Density:**

220°F (105°C) 163 lb/ft<sup>3</sup> (2610 kg/m<sup>3</sup>)  
1500°F (815°C) 157 lb/ft<sup>3</sup> (2514 kg/m<sup>3</sup>)

**Porosity:** 25%

**Cold Crushing Strength:**

1500°F ( 815°C) 9000-13000 psi (633- 914 kg/cm<sup>2</sup>)  
2500°F (1370°C) 11000-15000 psi (770-1050 kg/cm<sup>2</sup>)  
2910°F (1600°C) 11000-15000 psi (770-1050 kg/cm<sup>2</sup>)

**Modulus of Rupture:**

1500°F ( 815°C) 1500-1900 psi (105-133 kg/cm<sup>2</sup>)  
2500°F (1370°C) 1500-1900 psi (105-133 kg/cm<sup>2</sup>)  
2910°F (1600°C) 1600-2000 psi (112-140 kg/cm<sup>2</sup>)

**Permanent Linear Change(%):**

1500°F (815°C) -0.1 to -0.3  
2500°F (1370°C) -0.1 to -0.3  
2910°F (1600°C) +1.0 to +1.5

**Typical Chemical Analysis(%):**

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	Alkalies	SiC
68.0	12.0	2.1	1.0	1.5	0.2	0.5	14.7

**Standard Packaging:** 72-55 lb. bags per pallet

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), 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 express or implied warranties based on this sheet.

02/29/08 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