



# PRODUCT DATA

**Brand Name:** QUIKTURN 56 SCG

**Description:** QUIKTURN 56SCG is a silicon carbide-based, ultra-low cement gun mix that can be installed by conventional dry gunning methods. This product features very good resistance to abrasion and alkali contact along with high thermal conductivity. After the initial set, this gun mix can be heated without using the traditional ramp-and-hold heatup schedule. Refer to the recommended QUIKTURN heatup schedule for initial heatup. **A water booster pump is recommended for proper installation.**

Physical properties shown are average values of samples taken under controlled conditions  
ASTM test methods used where applicable

**Maximum Service Temperature: 2900°F (1590°C)**

**Typical Water Required for Mixing (by weight) :**  
Predampening for Gunning ..... 2 - 3%

	Gunning Data	
<b>Bulk Density (pcf)</b>		
After 220°F (105°C)	149	(2.41 g/cm <sup>3</sup> )
After 1500°F (815°C)	147	(2.38 g/cm <sup>3</sup> )
<b>Modulus of Rupture (psi)</b>		
After 1500°F (815°C)	1576	(110 kg/cm <sup>2</sup> )
<b>Cold Crushing Strength (psi)</b>		
After 1500°F (815°C)	11000	(770 kg/cm <sup>2</sup> )
<b>Thermal Conductivity (K Factor)</b>	<u>BTU/ft<sup>2</sup>/hr./°F/inch</u>	<u>W/mK</u>
1500°F (815°C)	38.00	5.47
2000°F (1095°C)	44.00	6.33
<b>Permanent Linear Change (%)</b>		
After 1500°F (815°C)	-0.2 to 0.0	
<b>Abrasion Loss (using ASTM C-704 Method)</b>		
After 1500°F (815°C)	Less than 12 cc	

**Typical Chemical Analysis (%)**

(Calcined Basis)

Silicon Carbide (SiC) .....	54.9
Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	27.5
Silica (SiO <sub>2</sub> ) .....	15.3
Lime (CaO) .....	0.9
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.3
Titania (TiO <sub>2</sub> ) .....	0.5
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.2

**Standard Packaging:** 55 lb bag. 72 bags per pallet. Bulk packaging available.

Brand Code: 0738

The properties shown on this data sheet represent typical average results 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.

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