



# EXTREME SERVICE CASTABLES

PRODUCT DATA

## QUIKGUN 60SC

QUIKGUN 60SC IS A EROSION RESISTANT, HIGH STRENGTH GUNNING GRADE REFRACTORY CONTAINING 60% SILICON CARBIDE. IT HAS BEEN FORMULATED TO RESULT IN MINIMUM REBOUND LOSS. QUIKGUN 60SC WILL ADHERE TO EXISTING REFRACTORY MAKING IT AN IDEAL MATERIAL FOR GUN PATCHING AND REPAIRS. QUIKGUN 60SC CAN BE BROUGHT BACK INTO SERVICE AS SOON AS IT HAS TAKEN ITS INITIAL SET AT RATES OF 38°C/HR WITHOUT HOLD PERIODS. ITS HIGH HEAT TRANSFER CHARACTERISTIC MAKES IT IDEAL FOR REPAIRS TO TUBE WALLS IN POWER GENERATING UNITS DATA SHOWN ARE AVERAGE RESULTS OF TESTS FOLLOWING THE GUIDELINES SET FORTH IN ASTM C-903-70 "PREPARING REFRACTORY CONCRETE SPECIMENS BY COLD GUNNING".

**MAXIMUM SERVICE TEMPERATURE (M.S.T.)** 1250°C (2200°F)

### BULK DENSITY

@ 110°C	155 - 161	LBS/FT <sup>3</sup>	2480 - 2580	KG/M <sup>3</sup>
@ 815°C	152 - 158	LBS/FT <sup>3</sup>	2430 - 2530	KG/M <sup>3</sup>

### COLD CRUSHING STRENGTH

@ 815°C	9000 - 14000	P.S.I.	620 - 965	KG/CM <sup>2</sup>
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### COLD MODULUS OF RUPTURE

@ 815°C	2000 - 3500	P.S.I.	138 - 240	KG/CM <sup>2</sup>
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### PERMANENT LINEAR CHANGE

Green to 815°C -0.20 TO - 0.50 %

**EROSION LOSS (ASTM C-704)** **LESS THAN 8.0 CC**  
(Typical 5-6 cc)

### TYPICAL CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT<sup>2</sup>/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	35.0	4.9
@ 815°C	35.0	4.9

### 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	SiC	P2O5	OTHER
27.1	6.0	0.3	0.9	60.9	2.7	2.1

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.

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