



# EXTREME SERVICE CASTABLES

PRODUCT DATA

## QUIKGUN 30SC

QUIKGUN 30SC IS A EROSION RESISTANT, HIGH STRENGTH GUNNING GRADE REFRACTORY CONTAINING 30% SILICON CARBIDE. IT HAS BEEN FORMULATED TO RESULT IN MINIMUM REBOUND LOSS. QUIKGUN 30SC WILL ADHERE TO EXISTING REFRACTORY MAKING IT AN IDEAL MATERIAL FOR GUN PATCHING AND REPAIRS. QUIKGUN 30SC CAN BE BROUGHT BACK INTO SERVICE AS SOON AS IT HAS TAKEN ITS INITIAL SET AT HEAT UP RATES OF 38°C / HR WITHOUT HOLDS. 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	150 - 156	LBS/FT <sup>3</sup>	2403 - 2500	KG/M <sup>3</sup>
@ 815°C	147 - 155	LBS/FT <sup>3</sup>	2355 - 2483	KG/M <sup>3</sup>

### COLD CRUSHING STRENGTH

@ 815°C	7000 - 1200	P.S.I.	483 - 828	KG/CM <sup>2</sup>
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### COLD MODULUS OF RUPTURE

@ 815°C	1500 - 3000	P.S.I.	103 - 207	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	22.2	3.20
@ 815°C	27.0	3.90

### 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
39.1	23.5	0.5	1.1	29.5	3.0	3.3

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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