# QUIKGUN 65SC ARB

*QUIKGUN 65SC ARB IS A EROSION RESISTANT, HIGH STRENGTH GUNNING GRADE REFRACTORY CONTAINING 65% SILICON CARBIDE. IT HAS BEEN FORMULATED TO RESULT IN MINIMUM REBOUND LOSS.QUIKGUN 65SC WILL ADHERE TO EXISTING REFRACTORY MAKING IT AN IDEAL MATERIAL FOR GUN PATCHING AND REPAIRS. QUIKGUN 65SC ARB 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/FT³ | 2480 - 2580 | KG/M³ |
| @ 815°C | 152 - 158 | LBS/FT³ | 2430 - 2530 | KG/M³ |

## COLD CRUSHING STRENGTH

| | | | | |
|---|---|---|---|---|
| @ 815°C | 9000 - 14000 | P.S.I. | 620 - 965 | KG/CM² |

## COLD MODULUS OF RUPTURE

| | | | | |
|---|---|---|---|---|
| @ 815°C | 2000 - 3500 | P.S.I. | 138 - 240 | KG/CM² |

## 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

| MEAN TEMP | BTU/FT²/Hr/°F/in | W/mK |
|---|---|---|
| @ 540°C | 38.0 | 5.47 |
| @ 815°C | 38.0 | 5.47 |

## TYPICAL CHEMICAL ANALYSIS (%)

| $Al_2O_3$ | $SiO_2$ | $Fe_2O_3$ | CaO/MgO | SiC | P2O5 | OTHER |
|---|---|---|---|---|---|---|
| 25.2 | 4.7 | 0.2 | 0.81 | 64.9 | 2.7 | 2.6 |

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