



# QUIKGUN CASTABLES

## PRODUCT DATA

### QUIKGUN 80 ARB

QUIKGUN 80ARB IS A EROSION RESISTANT, HIGH STRENGTH BAUXITE BASED GUNNING GRADE REFRACTORY WHICH HAS BEEN FORMULATED TO RESULT IN MINIMUM REBOUND LOSS. QUIKGUN 80ARB WILL ADHERE TO EXISTING REFRACTORY MAKING IT AN IDEAL MATERIAL FOR GUN PATCHING AND REPAIRS. IT CAN BE GUNNED DIRECTLY TO THE WALL WITHOUT PRE-DAMP AND "AGEING". AFTER ITS INITIAL SET IT CAN THEN BE HEAT CURED AT ACCERATED RATES 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 (220°F)	160 - 168	LBS/FT <sup>3</sup>	2560 - 2690	KG/M <sup>3</sup>
@815°C (1500°F)	157 - 165	LBS/FT <sup>3</sup>	2510 - 2640	KG/M <sup>3</sup>

#### COLD CRUSHING STRENGTH

@815°C (1500°F)	9000 - 14000	P.S.I.	620 - 965	KG/CM <sup>2</sup>
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#### COLD MODULUS OF RUPTURE

@815°C (1500°F)	2000 - 3500	P.S.I.	138 - 240	KG/CM <sup>2</sup>
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#### PERMANENT LINEAR CHANGE

Green to 815°C (1500°F) -0.20 TO - 0.40 %

EROSION LOSS (ASTM C-704) LESS THAN 8.0 CC  
(Typical 5-7 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	12.1	1.75
@ 815°C	11.2	1.61

#### 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	TiO <sub>2</sub>	P2O5	ALK
78.8	10.9	0.9	1.2	2.4	2.5	1.4

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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