



RESCOGUN CASTABLES

PRODUCT DATA

RESCOGUN 80 ARB

RESCOGUN 80 ARB IS A EROSION RESISTANT, HIGH STRENGTH GUNNING GRADE REFRACTORY WHICH HAS BEEN FORMULATED TO RESULT IN MINIMUM REBOUND LOSS. RESCOGUN 80 ARB 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".

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 ³	2560 - 2690	KG/M ³
@815°C (1500°F)	157 - 165	LBS/FT ³	2510 - 2640	KG/M ³

COLD CRUSHING STRENGTH

@815°C (1500°F)	10000 - 16000 P.S.I.	690 - 1100	KG/CM ²
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COLD MODULUS OF RUPTURE

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

@ Green to 815°C (1500°F)	-0.20 TO - 0.40 %
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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/FT²/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	12.1	1.75
@ 815°C	11.2	1.61

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO/MgO	TiO ₂	P2O5	OTHER
78.2	11.1	0.9	2.9	2.2	2.6	2.1

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