



EXTREME SERVICE CASTABLES

PROVISIONAL PRODUCT DATA

RESCOGUN 80UL ARB

RESCOGUN 80UL ARB IS A EROSION RESISTANT, HIGH STRENGTH GUNNING GRADE REFRACTORY .IT HAS BEEN FORMULATED TO RESULT IN MINIMUM REBOUND LOSS AND CAN BE HEATED SHORTLY AFTER INSTALLATION. RESCOGUN 80UL 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	162 - 170	LBS/FT ³	2590 - 2725	KG/M ³
@ 815°C	161 - 169	LBS/FT ³	2580 - 2710	KG/M ³

COLD CRUSHING STRENGTH

@ 815°C	14000 - 20000	P.S.I.	965 - 1380	KG/CM ²
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COLD MODULUS OF RUPTURE

@ 815°C	2000 - 4000	P.S.I.	138 - 275	KG/CM ²
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PERMANENT LINEAR CHANGE

@ 815°C	-0.00 TO - 0.30 %
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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
80.3	11.0	0.9	0.74	2.1	2.2	2.7

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