R E S C O
PRODUCTS (UK) LTD

ProGun LC 70SCG

PROGUN LC 70SCG IS A SIC CASTABLE THAT USES LOW CEMENT BINDER TECHNOLOGY WITH THE GUNITE INSTALLATION METHOD. ITS LOW POROSITY, EXCELLENT ABRASION RESISTANCE AND HIGH HEAT TRANSFER VALUE MAKE THIS PRODUCT AN EXCELLENT CHOICE FOR THE TUBE WALLS IN THE COMBUSTION ZONES OF POWER GENERATING UNITS. THE HIGH HEAT TRANSFER CHARACTERISTIC OF THE SIC REDUCES SURFACE SLAGGING AND ALKALI BUILD-UP, THEREBY, IMPROVING THE OPERATING EFFICIENCY OF YOUR UNIT. DATA SHOWN ARE AVERAGE RESULTS O TESTS FOLLOWING THE GUIDELINES SET FORTH IN ASTM C-903-70 "PREPARING REFRACTORY CONCRETE SPECIMENS BY COLD GUNNING".

MAXIMUM SERVICE TEMPERATURE (M.S.T.)   (1540°C)

BULK DENSITY

@ 110°C	145 – 150	LBS/FT^3	2320 – 2400	KG/M^3
@ 815°C	140 – 145	LBS/FT^3	2240 – 2320	KG/M^3

COLD CRUSHING STRENGTH

@ 927°C	8000 – 11000	P.S.I.	560 – 759	KG/CM^2

COLD MODULUS OF RUPTURE

@ 927°C	2000 – 3000	P.S.I.	140 – 210	KG/CM^2

PERMANENT LINEAR CHANGE

@ 927°C   0.10 TO – 0.40 %

EROSION LOSS (ASTM C-704)   @ 815°C Less Than 10 CC

CONDUCTIVITY OR "K" FACTOR

	BTU/FT^2/HR/°F/IN	W/mK
1000°F (540°C)	58.0	8.5
1500°F (815°C)	63.0	9.2

TYPICAL CHEMICAL ANALYSIS (%)

SiC	AL$_2$O$_3$	SiO$_2$	Fe$_2$O$_3$	CaO	TiO$_2$	OTHER
69.2	12.5	14.5	0.5	2.5	0.3	0.2

CERTIFIED
LUCIDEON
MANAGEMENT SYSTEM
ISO 9001
UKAS MANAGEMENT SYSTEMS