RESCO PRODUCTS (UK) LTD

LOW CEMENT GUNNING GRADES

PRODUCT DATA

ProGun LC 45G

ProGun LC 45G IS A 1600°C LOW CEMENT, ALKALINE RESISTANT GUN MIX WHICH IS IDEALLY GRAIN SIZED TO GIVE EXCELLENT GUNNABILITY, MINIMUM POROSITY AND LINEAR CHANGE WITH MAXIMUM DENSITY AND FIRED STRENGTHS. THIS PRODUCT IS DESIGNED TO WITHSTAND SEVERE HIGH TEMPERATURE ATMOSPHERIC, EROSIVE AND CORROSIVE ENVIRONMENTS. TYPICAL APPLICATIONS INCLUDE EROSION RESISTANT LININGS FOR RE-CIRCULATING FLUIDISED BED BOILERS AND CEMENT KILNS. TYPICAL DATA BASED ON GUNNED SAMPLES :

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1600°C)

BULK DENSITY

@ 927°C	130	LBS/FT³	2082	KG/M³

COLD CRUSHING STRENGTH

@ 540°C	6500 - 9000	P.S.I	448 - 621	KG/CM²
@ 927°C	6500 - 9000	P.S.I.	448 - 621	KG/CM²

COLD MODULUS OF RUPTURE

@ 540°C	1000 - 1500	P.S.I.	69 - 103	KG/CM²
@ 927°C	1000 - 1500	P.S.I.	69 - 103	KG/CM²

PERMANENT LINEAR CHANGE

@ 927°C - 0.10 TO - 0.30 %

EROSION LOSS (ASTM C-704) @815°C Less than 14.0cc

POROSITY @ 927°C 26 %

CONDUCTIVITY OR "K" FACTOR

	BTU/FT²/HR/°F/IN	W/mK
500°F (260°C)	7.50	1.07
1000°F (540°C)	7.30	1.03
1500°F (815°C)	7.40	1.07

TYPICAL CHEMICAL ANALYSIS (%)

AL_2O_3	SiO_2	Fe_2O_3	CaO	MgO	TiO_2	ALK
47.7	46.6	1.1	2.2	0.2	1.5	0.7

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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CERTIFIED LUCIDEON MANAGEMENT SYSTEM ISO 9001 UKAS