

ProGun LC 50G

ProGun LC 50G IS A 1650°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, EROSION 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.) (1650°C)

BULK DENSITY

@ 927°C	132	LBS/FT ³	2114	KG/M ³
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COLD CRUSHING STRENGTH

@ 540°C	7500 - 10000	P.S.I.	525 - 700	KG/CM ²
@ 927°C	7500 - 10000	P.S.I.	525 - 700	KG/CM ²

COLD MODULUS OF RUPTURE

@ 540°C	1200 - 1700	P.S.I.	84 - 120	KG/CM ²
@ 927°C	1200 - 1700	P.S.I.	84 - 120	KG/CM ²

PERMANENT LINEAR CHANGE

@ 927°C - 0.10 TO - 0.30 %

EROSION LOSS (ASTM C-704) @815°C Less than 12.0cc
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POROSITY @ 927°C 24 %

CONDUCTIVITY OR "K" FACTOR

	<u>BTU/FT²/HR/°F/IN</u>	<u>W/mK</u>
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 (%)

AL₂O₃	SiO₂	Fe₂O₃	CaO	MgO	TiO₂	ALK
45.7	49.9	0.9	2.0	0.1	1.2	0.2

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