

ProGun LC 56SCG

ProGun LC 56SCG 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 AN EXCELLENT CHOICE FOR THE TUBE WALLS IN THE COMBUSTION ZONES OF POWER GENERATING UNITS. THE HIGH HEAT TRANSFER CHARACTERISTIC OF THE SiC REDUCES THE SURFACE SLAGGING AND ALKALI BUILD-UP THEREBY, IMPROVING THE OPERATING EFFICIENCY OF YOUR UNIT.

ProGun LC 56SCG CAN ONLY BE APPLIED BY GUNITE.

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

BULK DENSITY

@ 110°C	145 - 150	LBS/FT ³	2323 - 2403	KG/M ³
@ 815°C	140 - 145	LBS/FT ³	2240 - 2323	KG/M ³

COLD CRUSHING STRENGTH

@ 927°C	8000 - 11000	P.S.I.	552 - 759	KG/CM ²
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COLD MODULUS OF RUPTURE

@ 927°C	2000 - 3000	P.S.I.	138 - 207	KG/CM ²
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PERMANENT LINEAR CHANGE

@ 927°C	0.10 TO - 0.40 %
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EROSION LOSS (ASTM C-704) @ 815°C Less Than 10 CC

CONDUCTIVITY OR "K" FACTOR

	<u>BTU/FT²/HR/°F/IN</u>	<u>W/mK</u>
1000°F (540°C)	32.0	4.61
1500°F (815°C)	32.0	4.61

TYPICAL CHEMICAL ANALYSIS (%)

SiC	AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	TiO ₂	OTHER
56.2	18.3	22.4	0.5	2.1	2.3	0.2

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