

MILBRO REFRACTORIES, INC.

MILCAST SIC PLUS

MILCAST SIC PLUS is a high purity, high performance, low cement castable containing an extra high percentage of silicon carbide. Extreme thermal shock and abrasion resistance and extra high strength are properties that allow **MILCAST SIC PLUS** to withstand the most severe service conditions. Though traditionally used in the metal producing industries, **MILCAST SIC PLUS** is an exceptional product choice for risers and precalciners when other products have failed.

Service Temperature	3250° F
Material Required for Estimating	165 lbs./ft³
Mixing Water Required	2.5-3.0qt./100lbs

TYPICAL CHEMICAL ANALYSIS

SiC	80.2
Al ₂ O ₃	13.0
SiO ₂	4.9
Fe ₂ O ₃	0.3
TiO ₂	0.1
CaO	1.4

TYPICAL PHYSICAL PROPERTIES (Fired under reducing conditions)

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	3550	11800	0.1 S
1500°F	3725	12500	0.1 S

All data shown is based on average results of standard ASTM procedures, unless otherwise indicated. Results are subject to reasonable deviation and should not be used for specification purposes.