

MILBRO REFRACTORIES, INC.

MILSHOT SIC 40

MILSHOT SIC 40 is a high performance, silicon carbide, low cement shotcrete product. Product designed especially for cement and lime applications. The non-wetting properties does not allow adhering or build up of clinker. Product typically used in the pre-calciner and cooler areas. Areas include risers, feed shelves, throat, hood, and cooler sidewalls. Product can be shotcreted or pumped. When shotcreted, binding agent is added at nozzle.

Service Temperature	3150°F
Material Required for Estimating	162 lbs./ft³
Mixing Water Required	10-11% Refer to Mixing Instruction Page

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	47.73
SiO ₂	7.25
Fe ₂ O ₃	0.81
TiO ₂	1.42
CaO	2.1
SIC	40.33

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	3400	10850	0.0
1500°F	3250	9900	0.1 S
2500°F	2950	9100	0.2 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.