

# 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.

<b>Service Temperature</b>	<b>3150°F</b>
<b>Material Required for Estimating</b>	<b>162 lbs./ft<sup>3</sup></b>
<b>Mixing Water Required</b>	<b>10-11% Refer to Mixing Instruction Page</b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	47.73
SiO <sub>2</sub>	7.25
Fe <sub>2</sub> O <sub>3</sub>	0.81
TiO <sub>2</sub>	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.