

# MILBRO REFRACTORIES, INC.

## MILGUN BF

MILGUN BF is a hydraulic setting 3000° F gun mix, formulated with low iron content to resist the effects of CO disintegration. Exceptional strength & abrasion resistance are additional qualities of this material. While MILGUN BF has been designed for Blast Furnace repairs, other applications are gunning treadwells, open top ladles & hot metal mixers.

**Service Temperature**  
**Material Required for Estimating**  
**Mixing Water Required**

**3000° F**  
**135 lbs./ft<sup>3</sup>**  
**Add at Nozzle**

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	50.5
SiO <sub>2</sub>	43.1
Fe <sub>2</sub> O <sub>3</sub>	1.0
TiO <sub>2</sub>	1.9
MgO	0.1
CaO	3.3
Alkalies	0.1

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
200°F	600-750	2100-2500	0.1 S
1000°F	500-700	1800-2300	0.1 S
2000°F	500-700	1800-2200	0.2 S
2500°F	600-800	2200-2700	0.3 E
2750° F	650-800	2300-2800	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.