

# MILBRO REFRACTORIES, INC.

## ALLOY PATCH

A siliceous, high temperature, carbon bearing plastic refractory, Low in alumina to withstand attack of alloy metals and slags, yet non-wetting, Thus, ALLOY PATCH is ideal for use as a maintenance patching material.

<b>Service Temperature</b>	<b>3100° F</b>
<b>Melting Point</b>	<b>3225° F</b>
<b>Material Required for Estimating</b>	<b>100 lbs./ft<sup>3</sup></b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	6.7
SiO <sub>2</sub>	68.5
Fe <sub>2</sub> O <sub>3</sub>	0.3
TiO <sub>2</sub>	0.4
MgO	0.1
CaO	0.1
C	17.2

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	100-200	300-600	0.1 S
2000°F	200-275	550-750	0.3 S
2500°F	250-500	600-800	0.1 E
3000°F	250-400	500-700	0.4 E

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