

# MILBRO REFRACTORIES, INC.

## MILPATCH 90 PB

A high alumina, high purity, chemically bonded patching plaster. Excellent as a patching material for those applications where service is severe and high hot strengths and extreme abrasion or erosion resistance is required. Applications by trowel or hand to maintain monolithic linings.

<b>Service Temperature</b>	<b>3300° F</b>
<b>Melting Point</b>	<b>3380° F</b>
<b>Material Required for Estimating</b>	<b>180 lbs./ft<sup>3</sup></b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	90.3
SiO <sub>2</sub>	5.0
Fe <sub>2</sub> O <sub>3</sub>	0.2
TiO <sub>2</sub>	0.3
MgO	0.1
CaO	0.2
P <sub>2</sub> O <sub>5</sub>	3.9

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
500°F	850-1200	3000-3500	0.0
2000°F	2100-2600	5500-6200	0.1 E
2500°F	2200-2800	5800-7000	0.3 E
3000°F	2800-3350	8800-9500	0.3 E

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.