

# MILBRO REFRACTORIES, INC.

## MILCOTE 85 DRY

A high alumina dry mortar. Heat setting. Can be used with high alumina brick either dipped, troweled, or as a grout. Will withstand destructive action of molten metal and slags at high temperatures.

<b>Service Temperature</b>	<b>3350° F</b>
<b>Material Required for Estimating</b>	<b>450 lbs./M 9 in. equiv.</b>
<b>Mixing Water Required</b>	<b>7.0-8.0 qt./ 75 lbs</b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	85.2
SiO <sub>2</sub>	11.0
Fe <sub>2</sub> O <sub>3</sub>	1.3
TiO <sub>2</sub>	1.9
MgO	0.3
CaO	0.3

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	800-1000	2800-3500	0.2 S
1500°F	750-900	2300-2650	0.3 S
2000°F	750-900	2500-3000	0.2 S
2500°F	600-800	1900-2300	0.1 E
3000°F	1100-1400	3400-4200	0.2 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.