

# MILBRO REFRACTORIES, INC.

## MILCAST LW 20

MILCAST LW 20 is a high strength, lightweight castable, with outstanding insulating properties. Excellent durability allows MILCAST LW 20 to be used as a working lining, or as insulating back up refractory in sub-hearths, flues, doors and roofs of various furnaces.

<b>Service Temperature</b>	<b>2000° F</b>
<b>Material Required for Estimating</b>	<b>44 lbs./ft<sup>3</sup></b>
<b>Mixing Water Required</b>	<b>11.0-13.0 qt./50lbs</b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	34.0
SiO <sub>2</sub>	26.7
Fe <sub>2</sub> O <sub>3</sub>	9.1
TiO <sub>2</sub>	0.2
MgO	1.1
CaO	26.1
Alkalies	2.6

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Cold Crushing Strength, psi	Linear change %	Thermal Cond. BTU/sq.ft/hr/in./° F
220°F	1700-2150	0.1 S	500°F 1.6
1500°F	1400-1700	0.5 S	1000°F 1.7
2000°F	1300-1650	0.8 S	2000°F 2.5

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.