

# MILBRO REFRACTORIES, INC.

## MILCAST LW 19

A hydraulic setting, insulating refractory. Excellent as a back up lining behind heavy refractory linings or as a service lining where temperature does not exceed 1900°F. Excellent insulating properties.

<b>Service Temperature</b>	<b>1900° F</b>
<b>Material Required for Estimating</b>	<b>42 lbs./ft<sup>3</sup></b>
<b>Mixing Water Required</b>	<b>11.5-13.5 qt./50lbs</b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	34.1
SiO <sub>2</sub>	36.8
Fe <sub>2</sub> O <sub>3</sub>	16.1
TiO <sub>2</sub>	0.2
MgO	1.1
Alkalies	2,6

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Cold Crushing Strength, psi	Linear change %	Thermal Cond. BTU/sq.ft/hr/in./° F
220°F	1200-1700	0	500°F 1.4
1500°F	700-1100	0.5 S	1000°F 1.5
1900°F	650-1000	0.8 S	2000°F 2.0

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.

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