MILBRO REFRACTORIES, INC.

MILCAST 85

A high alumina, castable mix. Good strength, volume stable and resistant to thermal shock. MILCAST 85 high refractoriness is a result of blending highly refractory aggregates with a high purity binder having a low silica content. Ramps and bottoms of aluminum melting and holding furnaces are typical applications.

Service Temperature	**3250°F**
Material Required for Estimating	**155 lbs./ft^3**
Mixing Water Required	**4.0-4. 5 qt./80lbs**

TYPICAL CHEMICAL ANALYSIS

Al_2O_3	84.8
SiO_2	5.2
Fe_2O_3	1.7
TiO_2	2.2
MgO	0.1
CaO	5.4
Alkalies	0.2

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	900-1200	4100-4500	0.0
500°F	1000-1200	4300-4600	0.1 S
1000°F	700-1000	3800-4100	0.1 S
1500°F	700-1000	3800-4100	0.2 S
2000°F	800-1100	4000-4300	0.2 S
2500°F	1400-1600	4700-5000	0.7 S

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.

2900°F	2500-3000	5300-5600	1.4 S