

MILBRO REFRACTORIES, INC.

MILCAST 25

A hydraulic setting, general purpose refractory castable with excellent resistance to erosion and abrasion at moderate temperatures. MILCAST 25 features a high cold crushing strength and is generally the product of choice for ash hopper and boiler linings.

Service Temperature	2500° F
Material Required for Estimating	120 lbs./ft³
Mixing Water Required	5.5-6.5 qt./100lbs

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	46.7
SiO ₂	34.8
Fe ₂ O ₃	4.7
TiO ₂	2.3
MgO	0.2
CaO	10.4

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	1100-1500	4500-6000	0.0
1000°F	450-600	1800-2200	0.2 S
1500°F	400-600	1500-2100	0.2 S
2000°F	475-650	1700-2500	0.1 S
2450°F	600-750	3200-4800	0.1 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.