

MILBRO REFRACTORIES, INC.

MILCOTE Z

A wet, air setting, zircon mortar. Excellent bonding strength and superior resistance to metal and glass penetration. Service temperature to 3200°F. MILCOTE Z has excellent handling characteristics and is manufactured in either standard troweling, stiff troweling or dipping consistency.

Service Temperature	3200°F
Material Required for Estimating	450 lbs./M 9 in. equiv.
Mixing Water Required	Use as received

TYPICAL CHEMICAL ANALYSIS

Zr ₂ O ₃	52.2
SiO ₂	33.1
Al ₂ O ₃	11.2
Fe ₂ O ₃	1.4
TiO ₂	1.6
Akalies	0.5

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	90-1250	3200-3700	0.1 S
2000°F	900-1100	2850-3250	0.1 S
2500°F	1450-1800	5900-6600	0.1 E
3000°F	2100-2650	7850-8450	0.1 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.