

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.