

MILBRO REFRACTORIES, INC.

MILPATCH Z

A high purity, alumina-zircon, patching plaster. Excellent erosion and abrasion resistance to attack by molten slags. Wears uniformly when used as a coating or for patching and maintaining monolithic linings. Heat transfer minimized to prevent destructive skulling in many applications. High strengths through-out the temperature range. Application by trowel or by hand.

Service Temperature	3100° F
Melting Point	3240° F
Material Required for Estimating	172 lb./ft.³

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	41.2
ZrO ₂	20.2
SiO ₂	29.5
Fe ₂ O ₃	1.8
TiO ₂	2.2
P ₂ O ₅	3.9

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220° F	700-950	2800-3100	0.2 S
2000° F	650-900	2600-2900	0.1 S
2500° F	1450-1800	5450-6000	0.4 E
3000° F	2400-2850	8500-9200	0.2 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.