

MILBRO REFRACTORIES, INC.

MILPATCH 55 PB

MILPATCH 55 PB is a high alumina, chemically bonded Patching plaster. Excellent for patching and maintaining monolithic linings. High hot strength throughout the temperature range. Also available with carbon addition, MILPATCH 55 PBG for non-wetting properties and ease of skull removal. Both products can be applied by hand or trowel.

Service Temperature	3075° F
Melting Point	3200° F
Material Required for Estimating	153 lbs./ft³

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	56.1
SiO ₂	36.7
Fe ₂ O ₃	1.2
TiO ₂	1.3
MgO	0.3
CaO	0.5
P ₂ O ₅	3.9

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	275-450	950-1250	0.2 S
2000°F	550-750	1900-2400	0.1 E
2500°F	900-1150	2550-2975	0.3 E
3000°F	1400-1750	3850-4400	0.5 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.