



PRODUCT DATA

Brand Name: CORPATCH® 80-MS

Description: CORPATCH® 80-MS is an 80% alumina patching mix. It is an all purpose patching mix that is tough enough to be one of the best erosion or abrasion resistant refractory lining materials available today, yet it is pliable enough to be installed and shaped by hand or mallet.

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

Maximum Service Temperature: 3100°F (1704°C)

Dry Material Required per Cubic Foot : 155 - 160 lbs.

Bulk Density (pcf)

After 1500°F (816°C) 155 - 160 (2.13 - 2.19 g/cm³)

Modulus of Rupture (psi)

After 220°F (104°C) 3200 - 3900 (126 - 182 kg/cm²)
After 1500°F (816°C) 2600 - 3500 (154 - 210 kg/cm²)
After 2000°F (1093°C) 2400 - 3300 (980 - 1050 kg/cm²)

Permanent Linear Change (%)

After 1500°F (816°C) -1.0 to 0.2
After 2000°F (1093°C) -0.2 to 0.5

Erosion Loss (cc)

After 1500°F (815°C) 4 - 7 (typical)

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	73.8
Silica (SiO ₂)	16.2
Lime (CaO)	0.1
Iron Oxide (Fe ₂ O ₃)	1.0
Titania (TiO ₂)	1.3
Magnesia (MgO)	0.1
Phosphorus Pentoxide (P ₂ O ₅)	7.2
Alkalis (Na ₂ O+K ₂ O)	0.3

Standard Packaging: 50 & 100 lb drum

Brand Code: 0787

The properties shown on this data sheet represent typical average results using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the prop erties and specifications at any time without prior notice.

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