PRODUCT DATA

RESCO® PRODUCTS, INC.

Brand Name: **CORPATCH® 50-MS**

Description: CORPATCH® 50-MS is an 50% 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: 2900°F (1593°C)

Dry Material Required per Cubic Foot : 140 - 150 lbs.

Bulk Density (pcf)

After 220°F (104°C)	133 - 137	(2.13 - 2.19 g/cm^3)
After 600°F (316°C)	132 - 136	(2.11 - 2.18 g/cm^3)
After 2550°F (1399°C)	125 - 129	(2.00 - 2.06 g/cm^3)

Cold Crushing Strength (psi)

After 220°F (104°C)	1800 - 2600	(126 - 182 kg/cm^2)
After 600°F (316°C)	2200 - 3000	(154 - 210 kg/cm^2)
After 2550°F (1399°C)	14000 - 15000	(980 - 1050 kg/cm^2)

Permanent Linear Change (%)

After 600°F (316°C)	-1.0 to 0.0
After 2550°F (1399°C)	0.0 to 1.8

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al_2O_3)	49.7
Silica (SiO_2)	41.9
Lime (CaO)	0.3
Iron Oxide (Fe_2O_3)	1.3
Titania (TiO_2)	1.3
Magnesia (MgO)	0.5
Phosphorus Pentoxide (P_2O_5)	3.9
Alkalis (Na_2O+K_2O)	1.1

Standard Packaging: 50 & 100 lb drum
Brand Code: 0785

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 properties and specifications at any time without prior notice.

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01/26/17 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.

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