



Technical Data

PERMA-STAR® 95 (Formerly BR-9258) HIGH MgO RAM-CAST GUN MIX

FEATURES	A general purpose, high MgO mix with an unique patented non-chromate bonding system for general furnace maintenance. Has excellent versatility. Can be cast with optimum water content to achieve maximum density and strength or mixed with excess water to a pouring consistency. Can be rammed for higher density and strength. Can be gunned through nozzle mixing or centrifugal equipment. Recommended for BOF pads, bottoms and taphole maintenance, electric furnace taphole, slagline and bottom repair, and a variety of other applications where excellent resistance to basic slag is needed.		
PHYSICAL PROPERTIES (ASTM procedures used where applicable)		<u>g/cm³</u>	<u>lb/ft³</u>
	Bulk Density:		
	Dried at 300°F (150°C)	2.80	175
	Fired to 3000°F (1650°C)	2.85	178
		<u>kg/cm²</u>	<u>lb/in²</u>
	Cold Crushing Strength:		
	Fired to 2460°F (1350°C)	210	3000
	Fired to 3000°F (1650°C)	245	3500
	Linear Change, %:		
	After 3000°F (1650°C)		-1.0
CHEMICAL ANALYSIS (Ignited)	MgO (by Diff.)	93.7	
	SiO ₂	2.5	
	CaO	1.7	
	Al ₂ O ₃	1.1	
	Fe ₂ O ₃	1.0	
MIXING INSTRUCTIONS	Optimum water for ramming: 3.25% Optimum water for casting: 5.75%		
PACKAGING	Standard 55 pound (25 kg) moisture-proof bags - Also available in 2000 and 4000 pound bulk containers.		

The properties shown on this data sheet represent typical average results generated 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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