## **RENO CAST SP 92**



## TECHNICAL DATA SHEET

**RENO CAST SP 92** is a volume stable, low cement castable containing high alumina-magnesia spinel mineralogy. It was designed to be installed by vibra-casting or pumping. High refractoriness, excellent hot strength and resistance to molten steel, and iron are a few of its unique characteristics.

**RENO CAST SP 92** is recommended for applications in steel ladles, well blocks, impact pads, electric furnace runners, and many other dynamic molten metal contact areas. Excellent choice for reheat furnace hearths.

SERVICE TEMPE MATERIAL REQU WATER ADDITIO	IRED FOR ESTIMA	TING:	3000°F 188 lbs. pcf 3.75 – 5.75 % by weight	
TYPICAL CHEMIC	CAL ANALYSIS (Ca	lcined Basis)		
$AI_2O_3$		SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO
90 – 92		<0.1	<0.1	4.0 - 4.5
TYPICAL PHYSIC	AL PROPERTIES (	Cast at 4.75%)		
Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	Thermal Conductivity
250 1,500 2,000 2,500 2,800	950 - 1,400 850 - 1,030 1,550 - 1,800 2,775 - 3,200 2,840 - 3,300	6,900 - 7,500 6,200 - 6,700 8,930 - 10,200 16,000 - 18,30 14,000 - 23,66	0.0 0 0.1	37.6 24.1 22.0 23.2 25.1
ABRASION LOSS	After 2500°F:	<4 cc		
HOT MOR @2500°F (Orton): HOT MOR @2700°F (Orton):		4,370 psi 3,065 psi		
POROSITY after 2500°F:		15.5%		
COEFFICIENT OF	THERMAL EXPAN	I <b>SION:</b> 4.39E <sup>-6</sup> in/ir	/°F	
PACKAGING: 55	lb. Bags, 72 per Pal	let (3,960 lbs.)		
				162500 - 3/24/16
	ariations and should not	be used for specification p		le procedures as required. They

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