



RENO REFRACTORIES, INC

FOUNDRY BOND Z

TECHNICAL DATA SHEET

**FOUNDRY BOND Z** is a wet, super duty, air setting mortar containing a high percentage of  $ZrO_2$ . It is resistant to the attack of slags and alkalis. **FOUNDRY BOND Z** is ideal for coating iron ladles and runners where slagging is a problem.

**SERVICE TEMPERATURE:** 2900°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 130 lbs./cu. ft.  
**WATER REQUIRED:** Use as received

**TYPICAL CHEMICAL ANALYSIS (Calcined Basis)**

$Al_2O_3$	$SiO_2$	$Fe_2O_3$	$TiO_2$	MgO	CaO	$ZrO_2$
20.2	37.9	1.7	1.6	0.4	0.1	38.1

**TYPICAL PHYSICAL PROPERTIES**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	550 – 700	1,450 – 1,800	-0.4
1500	200 – 250	550 – 850	-0.3
2000	250 – 350	800 – 1,200	-0.3
2700	350 – 450	1,100 – 1,500	-0.2

**PACKAGING:** 60 lb. Pails, 48 per pallet (2,880 lbs.)

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The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.