



# PRODUCT DATA

**Brand Name:** RESCOBOND 3000ZG

**Description:** RESCOBOND 3000ZG is a single component, chemically bonded refractory gunning mix with improved gunning characteristics. This gun mix also contains a zircon addition. It develops a quick set and can be heated shortly after installation to provide a fast "back on line" capability for your unit. It's chemical bonding system provides adherence to existing refractory, making it an effective patching material. RESCOBOND 3000ZG can be installed by gunning or hand-packing techniques. Predampening is NOT suggested for this gun mix prior to installation.

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

**Maximum Service Temperature: 3000°F (1650°C)**

	Gunned Data	
<b><u>Bulk Density (pcf)</u></b>		
After 1500°F (815°C)	130	(2.08 g/cm <sup>3</sup> )
<b><u>Cold Crushing Strength (psi)</u></b>		
After 1500°F (815°C)	4500	(315 kg/cm <sup>2</sup> )
<b><u>Modulus of Rupture (psi)</u></b>		
After 1500°F (815°C)	1350	(94 kg/cm <sup>2</sup> )
<b><u>Permanent Linear Change (%)</u></b>		
After 1500°F (815°C)	-0.2	
After 2500°F (1370°C)	+0.5	
<b><u>Abrasion Loss (using ASTM C-704 Method)</u></b>		
After 1500°F (815°C)	13 cc	
<b><u>Typical Chemical Analysis (%)</u></b>		
<b>(Calcined Basis)</b>		
Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	54.9	
Silica (SiO <sub>2</sub> ) .....	29.7	
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.8	
Titania (TiO <sub>2</sub> ) .....	1.5	
Lime + Magnesia (CaO+MgO) .....	5.3	
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.2	
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> ) .....	4.2	
Zirconia (ZrO <sub>2</sub> ) .....	3.4	

**Standard Packaging:** 55 lb bag. 72 bags per pallet. Bulk packaging available.

Brand Code: 1610

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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