



# PRODUCT DATA

**Brand Name:** RESCOBOND 90

**Description:** RESCOBOND 90 is a chemically-bonded, air-setting, single component, high purity alumina refractory castable. This product bonds to existing refractory and can be used in a variety of different applications including patching. To use, mix RESCOBOND 90 with water and cast. It develops a quick set and can be heated shortly after installation.

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

**Maximum Service Temperature: 3200°F (1760°C)**

**Typical Water Required for Mixing (by weight) :**  
Casting ..... 5.0%

	<u>Cast Data</u>	
<b><u>Bulk Density (pcf)</u></b>		
After 1500°F (815°C)	178	(2.85 g/cm <sup>3</sup> )
<b><u>Cold Crushing Strength (psi)</u></b>		
After 1500°F (815°C)	10000	(700 kg/cm <sup>2</sup> )
<b><u>Permanent Linear Change (%)</u></b>		
After 1500°F (815°C)	-0.3 to 0.0	

### **Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	93.1
Silica (SiO <sub>2</sub> ) .....	0.2
Lime + Magnesia (CaO+MgO) .....	3.6
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.1
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> ) .....	3.0

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

Brand Code: 1549

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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