



# PRODUCT DATA

**Brand Name:** RESCOBOND 90A

**Description:** RESCOBOND 90A is a chemically-bonded, air-setting, single component, high purity alumina refractory castable formulated for molten aluminum contact applications. This product bonds to existing refractory and can be used in a variety of different applications including patching. To use, mix RESCOBOND 90A 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%

	Cast Data	
<b>Bulk Density (pcf)</b>		
After 1500°F (815°C)	180	(2.88 g/cm <sup>3</sup> )
<b>Cold Crushing Strength (psi)</b>		
After 1500°F (815°C)	11000	(770 kg/cm <sup>2</sup> )
<b>Permanent Linear Change (%)</b>		
After 1500°F (815°C)	-0.2 to +0.1	
<b>Abrasion Loss (using ASTM C-704 Method)</b>		
After 1500°F (815°C)	6 cc	

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	89.1
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
Others .....	4.0

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

Brand Code: 1201

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.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

03/13/17 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.