



PRODUCT DATA

Brand Name: RESCOBOND 3000

Description: RESCOBOND 3000 is a chemically-bonded, air-setting, single component refractory castable. This product bonds to existing refractory and can be used in a variety of different applications including patching. To use, mix RESCOBOND 3000 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: 3000°F (1650°C)

Typical Water Required for Mixing (by weight) :
Casting 5.5%

<u>Bulk Density (pcf)</u>	<u>Cast Data</u>	
	After 220°F (105°C)	151
After 1500°F (815°C)	147	(2.35 g/cm ³)
<u>Cold Crushing Strength (psi)</u>		
After 1500°F (815°C)	8000	(560 kg/cm ²)
<u>Permanent Linear Change (%)</u>		
Green to 220°F (105°C)	-0.1 to 0.0	
220°F (105°C) to 1500°F (815°C)	-0.4 to 0.0	

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	55.1
Silica (SiO ₂)	32.6
Iron Oxide (Fe ₂ O ₃)	0.8
Titania (TiO ₂)	1.5
Lime + Magnesia (CaO+MgO)	5.6
Alkalies (Na ₂ O+K ₂ O)	0.2
Phosphorus Pentoxide (P ₂ O ₅)	4.2

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

Brand Code: 1589

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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