



PRODUCT DATA

Brand Name: RESCOBOND 3000A

Description: RESCOBOND 3000A is a chemically-bonded, air-setting, single component, high 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 3000A with water and cast. It develops a quick set and can be heated shortly after installation. This product should be installed by vibration casting methods.

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%

	Cast Data	
Bulk Density (pcf)		
After 1500°F (815°C)	147	(2.35 g/cm ³)
Cold Crushing Strength (psi)		
After 1500°F (815°C)	12000	(840 kg/cm ²)
Permanent Linear Change (%)		
After 1500°F (815°C)	-0.3 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)	4.8
Alkalies (Na ₂ O+K ₂ O)	0.5
Phosphorus Pentoxide (P ₂ O ₅)	4.2

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

Brand Code: 1591

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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