

# Chem-Bonded Castables



## Product Data

### RESCOBOND 3000AG

**RESCOBOND 3000AG** is a single component, chemically setting refractory gunning mix that is non-wetting to molten aluminum. It develops a quick set and can be heated shortly after installation to provide a fast “back on line” capability for your unit. **RESCOBOND 3000AG’s** chemical bonding system provides adherence to existing refractory, making it an effective patching material. It can be installed by gunning or hand-packing techniques.

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

**Bulk Density:**  
2500°F (1370°C) 128 lb/ft<sup>3</sup> (2048 kg/m<sup>3</sup>)

**Cold Crushing Strength:**  
1500°F ( 815°C) 3,500 psi (245 kg/cm<sup>2</sup>)  
2500°F (1370°C) 10,800 psi (756 kg/cm<sup>2</sup>)

**Modulus of Rupture:**  
2500°F (1370°C) 1340 psi (94 kg/cm<sup>2</sup>)

**Permanent Linear Change(%):**  
2500°F (1370°C) +0.5

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

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MgO/CaO	Alkalies	P <sub>2</sub> O <sub>5</sub>
55.1	32.6	0.8	1.5	5.6	0.2	4.2

**Standard Packaging:** 72 - 55 lb. bags per pallet

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