

Chem-Bonded Castables

Product Data

RESCOBOND 3000G

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

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

Bulk Density:
2500°F (1370°C) 128 lb/ft³ (2048 kg/m³)

Cold Crushing Strength:
1500°F (815°C) 3,500 psi (245 kg/cm²)
2500°F (1370°C) 11,100 psi (777 kg/cm²)

Modulus of Rupture:
2500°F (1370°C) 1450 psi (101 kg/cm²)

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

Typical Chemical Analysis(%):						
Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO/CaO	Alkalies	P ₂ O ₅
55.1	32.6	0.8	1.5	5.6	0.2	4.2

Standard Packaging: 72 - 55 lb. bags per pallet

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions 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 expressed or implied warranties based on this sheet. 01/08/13 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

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Handpack Only

Erosion Loss: ASTM C-704

1500°F (815°C) 14 cc

2500°F (1370°C) 10 cc

Bulk Density:

1500°F (815°C) 135 lbs/ft³ (2160 kg/m³)

Cold Crushing Strength:

1500°F (815°C) 6735 psi (472 kg/cm²)

2500°F (1370°C) 8650 psi (606 kg/cm²)

Permanent Linear Change(%):

1500°F (815°C) -0.3

2500°F (1370°C) +0.5