



# PRODUCT DATA

**Brand Name:** **PROGUN® 30**

**Description:** ProGUN® 30 is a very refractory, reduced cement mix targeted for general service to 3000°F

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)**

**Dry Material Required per Cubic Foot :** 131 - 136 lbs. (approximate)

<u>Bulk Density (pcf)</u>	<u>Gun Data</u>	
After 220°F (104°C)	133 - 143	(2.19 - 2.31 g/cm <sup>3</sup> )

<u>Cold Crushing Strength (psi)</u>		
After 220°F (104°C)	1500 (min)	(35 - 350 kg/cm <sup>2</sup> )

<u>Thermal Conductivity (K Factor)</u>	<u>BTU/ft<sup>2</sup>/hr./°F/inch</u>	<u>W/mK</u>
Mean Temperature		
1500°F (815°C)	8.0	1.15
2000°F (1093°C)	9.0	1.30
2500°F (1371°C)	8.6	1.24

### Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	55.7
Silica (SiO <sub>2</sub> ) .....	38.3
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	1.0
Titania (TiO <sub>2</sub> ) .....	2.0
Magnesia (MgO) .....	0.1
Lime (CaO) .....	2.5
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.2

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

Brand Code: 1045

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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