



# PRODUCT DATA

**Brand Name:** RESCOCAST 17EMG

**Description:** RESCOCAST 17EMG gunning grade refractory is for gunite applications only and has a quick set time once water is added at the nozzle. It is less sensitive to lower installation temperatures and can usually be applied directly to the wall without "aging". Lower thermal conductivity, higher resistance to thermal spalling and erosion are some of the unique properties of this patented system of raw materials.

Physical properties shown are average values of samples taken under controlled conditions  
ASTM test methods used where applicable

**Maximum Service Temperature: 2500°F (1370°C)**

**Typical Water Required for Mixing (by weight) :**

Predampening for Gunning ..... 1.9 - 3.8%

### Gunning Data

**Bulk Density (pcf)**

After 220°F (105°C)	117	(1.87 g/cm <sup>3</sup> )
After 1500°F (815°C)	112	(1.79 g/cm <sup>3</sup> )

**Cold Crushing Strength (psi)**

After 1500°F (815°C)	4500	(315 kg/cm <sup>2</sup> )
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**Thermal Conductivity (K Factor)**

Mean Temperature	BTU/ft <sup>2</sup> /hr./°F/inch	W/mK
500°F (260°C)	5.0	0.71
1000°F (540°C)	5.6	0.80
1500°F (815°C)	6.1	0.87

**Permanent Linear Change (%)**

Green to 220°F (105°C)	-0.1 to 0.0
After 1500°F (815°C)	-0.3 to 0.0

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	54.8
Silica (SiO <sub>2</sub> ) .....	36.2
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.7
Magnesia+Lime (MgO+CaO) .....	8.0
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.3

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

Brand Code: 0304

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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