



# PRODUCT DATA

**Brand Name:** RESCOCAST 17EG

**Description:** RESCOCAST 17EG is an erosion resistant gunning mix that has been cast in the laboratory as a means of testing and controlling the quality of the product. It is not recommended that the material be applied in the field by casting application methods.

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

**Maximum Service Temperature: 2750°F (1510°C)**

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

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

<u>Bulk Density (pcf)</u>	<u>Gunning Data</u>	
After 220°F (105°C)	135	(2.16 g/cm <sup>3</sup> )
After 1500°F (815°C)	128	(2.05 g/cm <sup>3</sup> )

**Cold Crushing Strength (psi)**

After 1500°F (815°C) 6500 (455 kg/cm<sup>2</sup>)

**Thermal Conductivity (K Factor)**

Mean Temperature	<u>BTU/ft<sup>2</sup>/hr./°F/inch</u>	<u>W/mK</u>
500°F (260°C)	8.5	1.22
1000°F (540°C)	8.4	1.21
1500°F (815°C)	8.2	1.18

**Permanent Linear Change (%)**

After 1500°F (815°C) -0.3 to 0.0

**Abrasion Loss (using ASTM C-704 Method)**

After 1500°F (815°C) 14 cc (max)

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	46.4
Silica (SiO <sub>2</sub> ) .....	39.9
Lime (CaO) .....	11.1
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	1.1
Titania (TiO <sub>2</sub> ) .....	1.3
Magnesia (MgO) .....	Trace
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: 1566

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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