



# PRODUCT DATA

**Brand Name:** RESCOCAST 17AG

**Description:** RESCOCAST 17AG is a high temperature, high purity alumina conventional gunning mix with only trace amounts of silica and iron oxide. The high purity of this gunning mix makes it an ideal choice for reducing atmospheres containing hydrogen and/or carbon monoxide. This product should be installed using conventional gunning methods.

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

**Maximum Service Temperature: 3400°F (1870°C)**

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

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

	<u>Gunned Data</u>	
<b><u>Bulk Density (pcf)</u></b>		
After 1500°F (815°C)	168	(2.69 g/cm <sup>3</sup> )
<b><u>Cold Crushing Strength (psi)</u></b>		
After 1500°F (815°C)	6500	(455 kg/cm <sup>2</sup> )
<b><u>Thermal Conductivity (K Factor)</u></b>	<u>BTU/ft<sup>2</sup>/hr./°F/inch</u>	<u>W/mK</u>
500°F (260°C)	16.8	2.44
1000°F (538°C)	16.5	2.39
1500°F (815°C)	16.7	2.42

<b><u>Permanent Linear Change (%)</u></b>	
After 1500°F (815°C)	-0.3 to 0.0
After 2000°F (1095°C)	-0.7 to -0.5
After 2500°F (1370°C)	-1.5 to -0.9

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	94.9
Silica (SiO <sub>2</sub> ) .....	0.1
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.1
Titania (TiO <sub>2</sub> ) .....	Trace
Lime (CaO) .....	4.6
Magnesia (MgO) .....	0.1
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: 0295

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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