



# PRODUCT DATA

**Brand Name:** RESCOCAST 15GM

**Description:** RESCOCAST 15GM is a 2600°F general duty castable that can be installed by vibration casting methods. It is designed for refractory use in powerplant ash-hopper applications as well as other applications where high strength, moderate abrasion resistance, and medium insulating values are required. RESCOCAST 15GM is also an excellent gunning product that can be troweled too.

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

**Maximum Service Temperature: 2600°F (1427°C)**

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

Casting ..... 12.5%  
Predampening for Gunning ..... 1.9 - 3.8%

	Casting Data		Gunning Data	
<b><u>Bulk Density (pcf)</u></b>				
After 1500°F (815°C)	124	(1.98 g/cm <sup>3</sup> )	127	(2.03 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> )	6500	(455 kg/cm <sup>2</sup> )
<b><u>Modulus of Rupture (psi)</u></b>				
After 1500°F (815°C)	650	(46 kg/cm <sup>2</sup> )	-----	
<b><u>Thermal Conductivity (K Factor)</u></b>				
Mean Temperature	<u>BTU/ft<sup>2</sup>/hr./°F/inch</u>	<u>W/mK</u>		
500°F (260°C)	8.3	1.20		
1000°F (540°C)	8.0	1.16		
1500°F (815°C)	8.2	1.19		
<b><u>Permanent Linear Change (%)</u></b>				
Dried to 1500°F (815°C)	-0.2 to 0.0		-0.3 to -0.1	
Dried to 2500°F (1371°C)	+0.6 to +1.3		-----	

**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: 0289

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.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

03/03/17 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.