

PRODUCT DATA



General Duty Castables

Cast 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.

Maximum Service Temperature	2600°F (1427°C)						
Typical Water Content (%)	12.5						
Typical Mix Time (minutes)	3						
<u>Bulk Density (lb/ft³)</u>							
After 1500°F (815°C)	124	(1984 kg/m ³)					
<u>Cold Crushing Strength (lb/in²)</u>							
After 1500°F (815°C)	5000 to 8000	(350-560 kg/cm ²)					
<u>Modulus of Rupture (lb/in²)</u>							
After 1500°F (815°C)	500 to 800	(35-56 kg/cm ²)					
<u>Permanent Linear Change (%)</u>							
Dried to fired: after firing to 1500°F (815°C)	0.0 to -0.2						
Dried to fired: after firing to 2500°F (815°C)	+0.6 to +1.3						
<u>Erosion Loss using ASTM C-704 Method</u>							
After 1500°F (815°C)	18cc	(Typical)					
<u>Thermal Conductivity or "K" Factor</u>							
Mean Temperature	BTU/ft ² /Hr/°F/in.	W/mK					
500°F (540°C)	8.3	1.20					
1000°F (540°C)	8.0	1.16					
1500°F (540°C)	8.2	1.19					
<u>Typical Chemical Analysis (%)</u>							
	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Alkalies
	46.4	39.9	1.1	1.3	11.1	trace	0.2

Brand Code 0289, Shelf Life 12 Months

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions (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.

2/21/12 is the date that this data sheet was published. Check with your RESCO sales representative or RESCO'S website to determine if you have the most current sheet.

GUNNED DATA SHOWN ON PAGE 2

Penn Center West, Building 2 - Suite 430, Pittsburgh, PA, 15276

Phone: 888-283-5505

PRODUCT DATA



General Duty Castables - Page 2

Gunned Data

Brand Name: Rescocast 15GM

Rescocast 15GM is an excellent gunning product with very low rebound losses. Data shown below are average results of tests following the guidelines set forth in ASTM C-903 "Preparing Refractory Concrete Specimens by Cold Gunning".

Bulk Density (pcf)

After 1500°F (815°C) : 120 to 135

Cold Crushing Strength (psi)

After 1500°F (815°C) : 5000 to 8000

After 2500°F 1370°C) : 5000 to 8000

Permanent Linear Change (%)

Dried to fired: after firing to 1000°F (815°C) -0.1 to -0.3

Dried to fired: after firing to 1500°F (815°C) -0.1 to -0.3

Dried to fired: after firing to 2500°F (815°C) +0.5 to +1.4

Abrasion Resistance using ASTM C-704 Method

After 1500°F (815°C) : 12cc to 20cc typical

Standard Packaging: 55 lb bag; 72 bags per pallet (Bulk Packaging Available)

2/21/12 is the date that this data sheet was published. Check with your RESCO sales representative or RESCO'S website to determine if you have the most current sheet.