



# PRODUCT DATA

**Brand Name:** QUIKTURN 45G

**Description:** QUIKTURN 45G is an ultra-low cement, 47% alumina gun mix that is installed by conventional gunning methods. After the final set, this unique castable can be heated without the traditional ramp-and-hold heatup schedule. Refer to the recommended QUIKTURN heatup schedule for the initial heatup.

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

**Maximum Service Temperature: 3000°F (1650°C)**

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

Predampening for Gunning ..... 2.0 - 3.0%

	Gunned Data	
<b><u>Bulk Density (pcf)</u></b>		
After 1500°F (815°C)	130	(2.34 g/cm <sup>3</sup> )
<b><u>Cold Crushing Strength (psi)</u></b>		
After 1500°F (815°C)	4000	(280 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>
1000°F (538°C)	8.6	1.24
1500°F (815°C)	9.5	1.37
2000°F (1093°C)	10.5	1.51

**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) 16 cc

**Typical Chemical Analysis (%)**  
(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	47.8
Silica (SiO <sub>2</sub> ) .....	48.5
Lime (CaO) .....	1.0
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.9
Titania (TiO <sub>2</sub> ) .....	1.4
Magnesia (MgO) .....	0.1
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: 1532

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.

03/06/17 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.