



# PRODUCT DATA

**Brand Name:**

## QUIKTURN 60 ZG

**Description:**

QUIKTURN 60 ZG is a mullite-based, low cement, 60% alumina, low cement gun mix containing a zircon addition for improved buildup resistance in the cyclone and precalciner in the Portland cement industry. This product is installed by conventional dry 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: 3100°F (1700°C)**

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

Predampening for Gunning ..... 2.0%

	Gunned Data	
<b><u>Bulk Density (pcf)</u></b>		
After 1500°F (815°C)	138	(2.21 g/cm <sup>3</sup> )
<b><u>Cold Crushing Strength (psi)</u></b>		
After 1500°F (815°C)	6225	(436 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)	10.0	1.45
1500°F (815°C)	10.0	1.45
2000°F (1093°C)	10.0	1.45
<b><u>Permanent Linear Change (%)</u></b>		
After 1500°F (815°C)	-0.3 to 0.0	
<b><u>Abrasion Loss (using ASTM C-704 Method)</u></b>		
After 1500°F (815°C)	Less than 12 cc	

### **Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	55.4
Silica (SiO <sub>2</sub> ) .....	37.0
Lime (CaO) .....	1.2
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	1.0
Titania (TiO <sub>2</sub> ) .....	1.6
Magnesia (MgO) .....	0.1
Zircon (ZrO <sub>2</sub> ) .....	3.0
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: 1596

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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