



# PRODUCT DATA

**Brand Name:** QUIKTURN AZS PC

**Description:** QUIKTURN AZS PC is a low cement, QUIKTURN castable that contains an alumina-zirconia-silica (AZS) aggregate and can be installed by vibration cast, pumping, and shotcreting 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. This product was formulated, specifically, for cement preheater tower applications that require an abrasion-resistant monolithic refractory that resists dust buildup.

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

**Maximum Service Temperature: 2800°F (1538°C)**

**Typical Water Required for Mixing (by weight) :**  
Pump Cast ..... 5.5%

	Pump Cast Data	
<b>Bulk Density (pcf)</b>		
After 1500°F (815°C)	178	(2.85 g/cm <sup>3</sup> )
<b>Cold Crushing Strength (psi)</b>		
After 1500°F (815°C)	9800	(686 kg/cm <sup>2</sup> )
<b>Permanent Linear Change (%)</b>		
After 1500°F (815°C)	-0.3 to 0.0	
<b>Erosion Loss using ASTM C-704</b>		
After 1500°F (815°C)	7 cc	

**Typical Chemical Analysis (%)**

(Calcined Basis)

Silicon Carbide (SiC) .....	4.9
Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	48.1
Silica (SiO <sub>2</sub> ) .....	23.0
Lime (CaO) .....	1.9
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.3
Titania (TiO <sub>2</sub> ) .....	0.5
Zirconia (ZrO <sub>2</sub> ) .....	20.3
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	1.0

**Standard Packaging:** 55 lb bag. 72 bags per pallet. Bulk packaging available.

**Brand Code:** 7342

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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