



# PRODUCT DATA

**Brand Name:** QUIKTURN 65PCA COARSE

**Description:** QUIKTURN 65 PCA COARSE is an aluminum-resistant, coarse aggregate-containing, 60% alumina, low cement castable that can be vibration cast, pumped, or shotcreted. QUIKTURN 65 PCA COARSE has excellent strength and resistance to molten aluminum. After the initial set, this castable can be heated without using the traditional ramp-and-hold heatup schedule. Refer to the recommended QUIKTURN heatup schedule for initial heatup.

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

**Maximum Service Temperature: 2000°F (1093°C) Molten Aluminum Contact**

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

Pump Cast ..... 6.0 - 6.5%

	Pump Cast Data	
<b>Bulk Density (pcf)</b>		
After 1500°F (815°C)	155	(2.48 g/cm <sup>3</sup> )
<b>Cold Crushing Strength (psi)</b>		
After 1500°F (815°C)	8000	(560 kg/cm <sup>2</sup> )
<b>Permanent Linear Change (%)</b>		
After 1500°F (815°C)	-0.3 to 0.0	
<b>Hot Modulus of Rupture (psi)</b>		
At 1500°F (815°C)	3980	(278 kg/cm <sup>2</sup> )

**Aluminum Cup Test Results**

At 1500°F (815°C) for 72 hours using 7075 alloy

Reaction	None
Penetration	None
Adherence	Moderate
Silicon Pickup	+0.21%
Iron Pickup	None

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	60.7
Silica (SiO <sub>2</sub> ) .....	30.0
Lime (CaO) .....	1.5
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.8
Titania (TiO <sub>2</sub> ) .....	1.6
Magnesia (MgO) .....	0.1
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.1
Others .....	4.9

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

Brand Code: 8599

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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