



# PRODUCT DATA

**Brand Name:** QUIKTURN 85ULM

**Description:** QUIKTURN 85ULM is an ultra-low cement, 80% alumina castable that can be installed by vibration casting only. 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: 3200°F (1760°C)**

**Typical Water Required for Mixing (by weight) :**  
Vibration Casting ..... 6.0%

	Vibration Cast Data	
<b><u>Bulk Density (pcf)</u></b>		
After 220°F (105°C)	163	(2.61 g/cm <sup>3</sup> )
After 1500°F (815°C)	163	(2.61 g/cm <sup>3</sup> )
<b><u>Cold Crushing Strength (psi)</u></b>		
After 1500°F (815°C)	5000	(350 kg/cm <sup>2</sup> )
<b><u>Permanent Linear Change (%)</u></b>		
After 1500°F (815°C)	-0.2 to 0.0	

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	77.3
Silica (SiO <sub>2</sub> ) .....	19.1
Lime (CaO) .....	0.4
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.8
Titania (TiO <sub>2</sub> ) .....	2.2
Magnesia (MgO) .....	0.1
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.1

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

Brand Code: 1639

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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