



# PRODUCT DATA

**Brand Name:** QUIKLITE 3 PC

**Description:** QUIKLITE 3 PC is a lightweight castable formulated to be installed by pumping or shotcreting methods. After the initial set, this unique insulating castable can be initially heated without using the traditional ramp-and-hold heatup schedule. Refer to the recommended QUIKTURN heatup schedule for initial heatup. For shotcreting, use RESCO SC-1 activator.

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

**Maximum Service Temperature: 2400°F (1316°C)**

**Typical Water Required for Mixing (by weight) :**  
Pump Cast ..... 38.0%

<b>Bulk Density (pcf)</b>	<u>Pump Cast Data</u>	
After 1500°F (815°C)	59	(0.95 g/cm <sup>3</sup> )

<b>Cold Crushing Strength (psi)</b>		
After 1500°F (815°C)	650	(45.5 kg/cm <sup>2</sup> )

<b>Thermal Conductivity (K Factor)</b>	<u>BTU/ft<sup>2</sup>/hr./°F/inch</u>	<u>W/mK</u>
500°F (260°C)	1.7	0.25
1000°F (538°C)	1.7	0.25
1500°F (815°C)	1.8	0.26

<b>Permanent Linear Change (%)</b>	
Green to 1500°F (815°C)	-0.7 to -0.1
220°F (105°C) to 1500°F (815°C)	-0.6 to -0.1

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	31.8
Silica (SiO <sub>2</sub> ) .....	48.3
Lime (CaO) .....	14.8
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	2.8
Titania (TiO <sub>2</sub> ) .....	0.6
Magnesia (MgO) .....	0.1
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	1.6

**Standard Packaging:** 50 lb bag. 50 bags per pallet. Bulk packaging available.

Brand Code: 1597

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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