



# TECHNICAL DATA

Product: **QUIKTURN 30 SCPC**  
(Formerly TL0613)

Description: Cement bonded, high alumina castable containing 35% SiC formulated for dust prone cement preheater applications. This product can be installed by vibration casting, pumpcasting, and shotcreting methods.

Typical Water Addition Required for Mixing :  
For Vibration Casting ..... XX% (by weight)

Dry Material Required Per Cubic Foot ..... 155 lbs

<u>Bulk Density (lb/ft<sup>3</sup>)</u>		<u>Std. Deviation ( σ )</u>
After 220°F (105°C) :	<b>153 (2448 kg/m<sup>3</sup>)</b>	n/a
After 1500°F (815°C) :	<b>152 (2432 kg/m<sup>3</sup>)</b>	n/a

<u>Cold Crushing Strength (lb/in<sup>2</sup>)</u>		
After 1500°F (815°C) :	<b>10,000 (69 MPa)</b>	n/a

<u>Permanent Linear Change (%)</u>	
After 1500°F (815°C) :	<b>0.0 to -0.2</b>

<u>Erosion Loss (using ASTM C-704 Method)</u>	
After 1500°F (815°C), cc loss:	<b>11.0 (max.)</b>

<u>Typical Chemical Analysis (%)</u>	
Silicon Carbide (SiC) .....	<b>35.7 %</b>
Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	<b>30.5</b>
Silica (SiO <sub>2</sub> ) .....	<b>31.5</b>
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	<b>0.4</b>
Titania (TiO <sub>2</sub> ) .....	<b>0.7</b>
Lime (CaO) .....	<b>0.9</b>
Magnesia (MgO) .....	<b>0.1</b>
Alkalies (Na <sub>2</sub> O+ K <sub>2</sub> O) .....	<b>0.2</b>

**Standard Packaging:** 72- 55 lb bags per pallet. Bulk Packaging Available.

The properties shown on this data sheet represent typical average results generated 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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