

# Quikturn Vibratables

## Product Data

### QUIKTURN 60SCC

**QUIKTURN 60SCC** is a 60% Silicon Carbide based, ultra-low cement castable designed for vibration casting. This product is recommended for new and full lining repairs using anchored construction. Its High Thermal Conductivity makes it ideal for applications where high heat transfer is important. After the initial set, the furnace lining can be returned to operation without curing or the traditional controlled heating schedule. **QUIKTURN 60SCC** has excellent strength and abrasion resistance, resistance to thermal spalling & corrosion.

<b><u>Maximum Service Temperature:</u></b>	1500°C
<b><u>Bulk Density:</u></b> Fired to 815°C	2595 - 2690 kg/m <sup>3</sup>
<b><u>Cold Crushing Strength:</u></b> Fired to 815°C	690 - 965 kg/cm <sup>2</sup>
<b><u>Modulus of Rupture:</u></b> Fired to 815°C	140 - 210 kg/cm <sup>2</sup>
<b><u>Erosion Loss:</u></b> Fired to 815°C	Less than 8 cc (Typical loss 5-6 cc)
<b><u>Permanent Linear Change(%):</u></b> Green to 815°C	-0.0 to -0.3

<b><u>Conductivity or "K" Factor:</u></b>		
Mean Temp.	BTU/ft <sup>2</sup> /HR/°F/in	W/mK
1000°F ( 540°C)	40.0	5.76
1500°F ( 815°C)	42.0	6.04

### **Typical Chemical Analysis(%):**

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	Alkalis	SiC
24.8	12.1	0.4	0.48	1.16	0.14	60.1

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions 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. RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet