

Vibratables

Product Data

QUIKTURN 85SC

QUIKTURN 85SC is a 85% silicon carbide, ultra-low cement castable. This product is recommended for new and full lining repairs using anchored construction. After the initial set, the furnace lining can be returned to operation without curing or the traditional controlled heating schedule. **QUIKTURN 85SC** has excellent strength, alkali and abrasion resistance. Cast data:

Maximum Service Temperature: 1500°C

Bulk Density:

Fired to 815°C 2560 - 2660 kg/m³

Cold Crushing Strength:

Fired to 815°C 550 - 840 kg/cm²
 Fired to 1200°C 600 - 900 kg/cm²

Modulus of Rupture:

Fired to 815°C 180 - 230 kg/cm²

Erosion Loss:

Fired to 815°C Less than 12 cc

Permanent Linear Change(%):

Green to 815°C -0.1 to -0.3

Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	72.8	10.5
2000°F (1095°C)	77.7	11.2

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Alkalis	SiC
9.2	4.9	0.1	-	0.98	0.14	84.6

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