

Quikturn Castables

Product Data

QUIKTURN 60SCG

QUIKTURN 60SCG is a silicon carbide based, ultra-low cement gun mix. This product is recommended for both new linings and repairs to existing linings using anchored construction. After the initial set, the furnace lining can be returned to operation without curing or the traditional controlled heating schedule. **QUIKTURN 60SCG** has excellent strength, alkali and abrasion resistance. The following is gunned data:

<u>Maximum Service Temperature:</u>	1480°C
<u>Bulk Density:</u> Fired to 815°C	2300 - 2400 kg/m ³
<u>Cold Crushing Strength:</u> After Firing to 815°C After Firing to 1200°C	550 - 840 kg/cm ² 600 - 900 kg/cm ²
<u>Modulus of Rupture:</u> After Firing to 815°C	180 - 230 kg/cm ²
<u>Erosion Loss:</u> After Firing to 815°C	Less than 12 cc (Typical loss 7-9 cc)
<u>Permanent Linear Change(%):</u> Green to 815°C Green to 1200°C	-0.1 to -0.3 +0.1 to -0.1

<u>Conductivity or "K" Factor:</u> Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	40.0	5.76
1500°F (815°C)	42.0	6.04
2000°F (1095°C)	46.0	6.62

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Alkalis	SiC
24.5	12.4	0.4	0.48	1.16	0.14	60.1

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