

# Gun Mixes

## Product Data

### QUIKTURN 60-10SCG

**QUIKTURN 60-10SCG** is a ultra-low cement Andalusite/Mullite based gun mix with a 10% Silicon Carbide addition. 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 60-10SCG** has excellent strength, alkali and abrasion resistance. Cast data:

**Maximum Service Temperature:** 1650°C

**Bulk Density:**

Fired to 815°C 2320 - 2420 kg/m<sup>3</sup>

**Cold Crushing Strength:**

Fired to 815°C 550 - 700 kg/cm<sup>2</sup>  
 Fired to 1370°C 630 - 840 kg/cm<sup>2</sup>

**Modulus of Rupture:**

Fired to 815°C 100 - 140 kg/cm<sup>2</sup>

**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 <sup>2</sup> /HR/°F/in	W/mK
1000°F ( 540°C)	11.4	1.64
1500°F ( 815°C)	12.0	1.73

**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
57.8	29.1	0.9	1.0	0.99	0.3	9.9

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