

Quikturn Castables

Product Data

QUIKTURN 65SC RSP

QUIKTURN 65SC RSP is a 65% Silicon Carbide, ultra-low cement castable designed for pumpcasting. This product can be pumped using small rotor stator pumps, allowing low volume Shotcrete installations to be carried out using equipment which is readily available and of relatively low cost. It is designed for new and full lining repairs using anchored construction. After the initial set, the furnace lining can be returned to operation without prolonged curing or the traditional controlled heating schedule. **QUIKTURN 65SC RSP** has excellent strength, alkali and abrasion resistance. **Pumpcast Data**

Maximum Service Temperature: 1500°C (2700°F)

Bulk Density:

Fired to 815°C (1500°F) 2370 - 2500 kg/m³ (148 – 156 lbs/ft³)

Cold Crushing Strength:

Fired to 815°C (1500°F) 552 - 827 kg/cm² (8000 – 12000 psi)

Modulus of Rupture:

Fired to 815°C (1500°F) 110 - 165 kg/cm² (1600 – 2400 psi)

Erosion Loss:

Fired to 815°C (1500°F) Less than 8 cc
(Typical loss 6-7 cc)

Permanent Linear Change(%):

Green to 815°C (1500°F) -0.1 to -0.4 %

Conductivity or “K” Factor:

Mean Temp.	W/mK	BTU/ft ² /HR/°F/in
540°C (1000°F)	6.00	41.6
815°C (1500°F)	7.00	45.0

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	SiC
28.5	5.9	0.1	Tr	0.9	64.2

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.

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