

Vibratables

Product Data

QUIKTURN 70ALR C

QUIKTURN 70ALR C is a 70% Alumina, Aluminium Resistant ultra-low cement castable for vibration cast installations. 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 70ALR C** has excellent strength, and abrasion resistance and is resistant to Aluminium at all furnace temperatures.

<u>Maximum Service Temperature:</u>	1500°C
<u>Bulk Density:</u> Fired to 815°C	2915 – 2995 kg/m ³
<u>Cold Crushing Strength:</u> Fired to 815°C	1200 - 1400 kg/cm ²
Fired to 1400°C	1100 - 1300 kg/cm ²
<u>Modulus of Rupture:</u> Fired to 815°C	200 - 300 kg/cm ²
<u>Erosion Loss:</u> Less than 5 cc Fired to 815°C	(Typical loss 3-4 cc)
<u>Permanent Linear Change(%):</u> Green to 815°C	0.0 to -0.3

Conductivity or “K” Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	12.0	1.75
1500°F (815°C)	11.0	1.60
2000°F (1095°C)	11.0	1.60

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	ZrO ₂	CaO	TiO ₂
69.5	8.6	0.6	6.6	1.0	2.2

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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