

Vibratables

Product Data

QUIKTURN 80ALR

QUIKTURN 80ALR is a 80% Alumina, low silica, Aluminium Resistant ultra-low cement castable for vibration cast installations. This is a very high strength and abrasion resistant product and is recommended for new and full lining repairs using anchored construction. After a 15hr cure period, the furnace lining can be returned to operation using an accelerated heating schedule. **QUIKTURN 80ALR** is non wetting to Aluminium and its alloys at all typical melt temperatures.

<u>Maximum Service Temperature:</u>	1500°C
<u>Bulk Density:</u>	
Fired to 815°C	2820 – 2920 kg/m ³
Fired to 815°C	2800 – 2900 kg/m ³
<u>Cold Crushing Strength:</u>	
Fired to 110 °C	1000 - 1400 kg/cm ²
Fired to 815 °C	1300 - 1800 kg/cm ²
<u>Modulus of Rupture:</u>	
Fired to 815°C	200 - 300 kg/cm ²
<u>Erosion Loss:</u>	
Fired to 815°C	Less than 4 cc (Typical loss 2-3 cc)
<u>Permanent Linear Change(%):</u>	
Green to 815°C	0.0 to -0.3

<u>Conductivity or “K” Factor:</u>		
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	SiC	CaO	TiO ₂
80.2	4.3	0.7	4.9	1.0	2.4

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