

Vibratables

Product Data

QUIKTURN 85ALR RSP

QUIKTURN 85ALR RSP is a 84% Alumina, Bauxite based, ultra-low cement castable designed for pumpcasting. This product can be pumped using rotor-stator pumps, allowing low volume Shotcrete installations to be carried out. It is non-wetting to Aluminium Alloys even at high melt temperatures. After a 15hr cure period the furnace can be returned to operation using an accelerated heating schedule.

Maximum Service Temperature: 1500°C (2750°F)

Bulk Density:

Dried to 110°C (220°F)	2710 - 2800 kg/m ³	(169 – 175 lbs/ft ³)
Fired to 815°C (1500°F)	2660 - 2755 kg/m ³	(166 – 172 lbs/ft ³)

Cold Crushing Strength:

Fired to 815°C (1500°F) 690 - 1000 kg/cm² (10000 – 14500 psi)

Modulus of Rupture:

Fired to 815°C (1500°F) 138 - 241 kg/cm² (2000 – 3500 psi)

Erosion Loss:

Fired to 815°C (1500°F) Less than 8 cc
(Typical loss 5 cc)

Permanent Linear Change(%):

110°C to 815°C (1500°F) -0.1 to -0.3 %

Conductivity or “K” Factor:

Mean Temp.	W/mK	BTU/ft ² /HR/°F/in
540°C (1000°F)	1.60	11.1
815°C (1500°F)	1.60	11.1
1095°C (2000°F)	1.55	10.8

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Alkalies
84.3	5.7	0.7	2.3	1.0	0.3

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