

Vibratables

Product Data

QUIKTURN 85C

QUIKTURN 85C is an 83% Alumina, 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 85C** has excellent strength, and abrasion resistance.

Maximum Service Temperature: 1700°C

Bulk Density:

Fired to 815°C 2.720 – 2.820 kg/m³

Cold Crushing Strength:

Fired to 815°C 900 - 1200 kg/cm²
 Fired to 1600°C 1100 - 1400 kg/cm²

Modulus of Rupture:

Fired to 815°C 200 - 300 kg/cm²

Erosion Loss:

Fired to 815°C Less than 6 cc
 (Typical loss 4-5 cc)

Permanent Linear Change(%):

Green to 815°C 0.0 to -0.2

Conductivity or “K” Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	12.0	1.72
1500°F (815°C)	11.0	1.58
2000°F (1095°C)	11.0	1.58

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Alkalies
82.7	7.6	0.74	2.4	0.8	0.21

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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