

Vibratables

Product Data

QUIKTURN 50PC (A)

QUIKTURN 50PC (A) is a 50% alumina, chamotte based, ultra-low cement castable that can be vibrate cast or pumpcast. 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 50PC (A)** has excellent strength and abrasion resistance. It is non-wetting to Aluminium alloys up to 850°C

Maximum Service Temperature: 1650°C (Non Aluminium Contact)
850°C (Aluminium Contact)

Bulk Density:

Fired to 815°C 2300 - 2400 kg/m³

Cold Crushing Strength:

Fired to 815°C 630 - 910 kg/cm²
Fired to 1600°C 630 - 910 kg/cm²

Modulus of Rupture:

Fired to 815°C 140 - 210 kg/cm²

Erosion Loss:

Fired to 815°C Less than 12 cc
(Typical loss 7-9 cc)

Permanent Linear Change(%):

Green to 815°C -0.1 to -0.3
Green to 1600°C +0.4 to +0.8

Conductivity or "K" Factor:

| Mean Temp. | BTU/ft ² /HR/°F/in | W/mK |
|-----------------|-------------------------------|------|
| 1000°F (540°C) | 10.0 | 1.44 |
| 1500°F (815°C) | 10.0 | 1.44 |
| 2000°F (1095°C) | 10.0 | 1.44 |

Typical Chemical Analysis(%):

| Al ₂ O ₃ | SiO ₂ | Fe ₂ O ₃ | TiO ₂ | CaO | Alkalies |
|--------------------------------|------------------|--------------------------------|------------------|-----|----------|
| 50.0 | 45.6 | 0.8 | 1.1 | 0.8 | 0.2 |

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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