Vibratables

Product Data

QUIKTURN 50PC (A)

QUIKTURN 50PC (A) is a 50% alumina, chammotte 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 850ºC

Maximum Service Temperature: 1650^oC (Non Aluminium Contact)
                                              $850ºC$ (Aluminium Contact)

Bulk Density:

Fired to 815^oC 2300 - 2400 kg/m^3

Cold Crushing Strength:

Fired to 815^oC 630 - 910 kg/cm^2
Fired to   1600°C   630 - 910 kg/cm^2

Modulus of Rupture:

Fired to 815^oC 140 - 210 kg/cm^2

Erosion Loss:

                                      Less than 12 cc
Fired to 815^oC (Typical loss 7-9 cc)

Permanent Linear Change(%):

Green to 815^oC -0.1 to -0.3
Green to 1600^oC +0.4 to +0.8

Conductivity or "K" Factor:

Mean Temp.	$BTU/ft^2/HR/^oF/in$	W/mK
1000^oF (540^oC)	10.0	1.44
1500^oF (815^oC)	10.0	1.44
2000^oF (1095^oC)	10.0	1.44

Typical Chemical Analysis(%):

Al_2O_3	SiO_2	Fe_2O_3	TiO_2	CaO	Alkalies
50.0	45.6	0.8	1.1	0.8	0.2