

Vibratables

Product Data

QUIKTURN 45C ALR

QUIKTURN 45C ALR is a 45% Alumina, chamotte based, ultra-low cement castable that is designed for vibration casting. This product is recommended for new and full lining repairs using anchored construction. After a 15hr Curing period, the furnace lining can be returned to operation without the traditional controlled heating schedule. **QUIKTURN 45C ALR** has good strength, alkali and abrasion resistance & is non-wetting to Aluminium alloys.

Maximum Service Temperature: 1600°C (Non Aluminium Contact)
850°C (Aluminium Contact)

Bulk Density:

Fired to 815°C 2240 - 2320 kg/m³

Cold Crushing Strength:

Fired to 815°C 552 - 910 kg/cm²

Modulus of Rupture:

Fired to 815°C 140 - 210 kg/cm²

Erosion Loss:

Fired to 815°C Less than 10 cc
(Typical loss 6-7 cc)

Permanent Linear Change(%):

Green to 815°C -0.1 to -0.3

Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	9.0	1.26
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
44.2	45.9	1.0	0.9	1.14	0.6

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