

Quikturn Castables

Product Data

QUIKTURN 70MA

Quikturn 70MA is a 70% Alumina, low cement castable. This product is recommended for Pre-cast Shapes or new and full lining repairs using anchored construction. After its initial set, **Quikturn 70MA** can be brought into operation without curing. It can then be dried at heat up rates much higher than traditionally used. **Quikturn 70MA** has good strength, thermal shock and abrasion resistance.

Maximum Service Temperature: 1700°C

Bulk Density:
Fired to 815°C 2530 – 2630 kg/m³

Cold Crushing Strength:
Fired to 815°C > 500 kg/cm²
Fired to 1600°C > 700 kg/cm²

Modulus of Rupture:
Fired to 815°C > 100 kg/cm²

Erosion Loss (ASTM C704):
Fired to 815°C < 8 cc

Permanent Linear Change(%):
Green to 815°C 0.0 to -0.3

Porosity (%)
Fired to 815°C < 17%

Typical Conductivity or “K” Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	12.0	1.73
1500°F (815°C)	11.0	1.58
2000°F (1095°C)	11.0	1.58

Chemical Analysis(%):

	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO+MgO	Alkalies
Spec;	>70.0	<30.0	<1.20	<2.5	<1.5	<0.5
Typical	71.0	25.0	0.9	2.0	1.0	0.4

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