

## QUIKTURN 110C

*QUIKTURN 110C IS A CASTING GRADE REFRACTORY THAT COMBINES STRENGTH AND ABRASION RESISTANT QUALITIES WITH LOW THERMAL CONDUCTIVITY. AFTER ITS INITIAL SET, THE UNIT CAN BE RETURNED TO OPERATION WITHOUT THE TRADITIONAL CONTROLLED HEATING SCHEDULE. QUIKTURN 110C IS THE PRODUCT OF CHOICE WHEN PERFORMANCE, INSULATION AND FAST BACK ON STREAM CAPERBILITIES ARE REQUIRED IN A SINGLE PRODUCT*

**MAXIMUM SERVICE TEMPERATURE (M.S.T.)** (1315°C)

**BULK DENSITY**

@ GREEN	120 - 126	LBS/FT <sup>3</sup>	1922 - 2018	KG/M <sup>3</sup>
@ 110°C	113 - 119	LBS/FT <sup>3</sup>	1810 - 1906	KG/M <sup>3</sup>
@ 815°C	109 - 115	LBS/FT <sup>3</sup>	1745 - 1842	KG/M <sup>3</sup>

**COLD CRUSHING STRENGTH**

@ 815°C	6000 - 11000	P.S.I.	414 - 758	KG/CM <sup>2</sup>
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**PERMANENT LINEAR CHANGE**

Green to Dried @ 110°C	0.0 TO -0.1 %
Green to Fired @ 815°C	0.0 TO -0.3 %

**EROSION LOSS (ASTM C-704)**

@ 815°C	12 cc (max)
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**POROSITY**

@ 815°C	29%
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**CONDUCTIVITY OR "K" FACTOR**

<u>MEAN TEMP</u>	<u>BTU/FT<sup>2</sup>/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	6.0	0.86
@ 815°C	5.4	0.78

**TYPICAL CHEMICAL ANALYSIS (%)**

AL <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	TiO <sub>2</sub>	AlK
43.9	48.6	1.5	1.4	0.8	0.9	1.4

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