

**ULTRA-TEK 60 ALKZ**  
**Low Cement Castable with Zircon**

**PHYSICAL DATA**

	Vibration Cast	Self-Leveling
Maximum Service Temperature	3000°F	3000°F
Water by Weight Required for Casting	4.7 %	5.8%
Bulk Density After Drying at 250°F	164 pcf	160 pcf
Modulus of Rupture After Drying at 250°F	1,700 – 2,300 psi	1,200 – 1,800 psi
HMOR at 1500°F	3,500 – 4,300 psi	3,300 – 3,900 psi
HMOR at 2550°F	500 – 900 psi	400 – 800 psi
Cold Crushing Strength After Heating to 1500°F	9,500 – 14,000 psi	7,000 – 11,000 psi
C-704 Abrasion Resistance After Heating to 1500°F	5 – 8 cc	6 – 10 cc
Permanent Linear Change After Heating to 1500°F	0.0 to -0.2%	0.0 to -0.2%
After Heating to 2550°F	+1.3 to +2.0%	+1.3 to +2.0%

**CHEMICAL ANALYSIS**

Silica	[SiO <sub>2</sub> ]	33.4%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	55.6%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	0.7%
Lime	[CaO]	1.9%
Zirconium Oxide	[ZrO <sub>2</sub> ]	6.9%
Titania	[TiO <sub>2</sub> ]	1.2%
Other		0.3%

NOTE: All data are based on averages and subject to reasonable deviation and should not be used for specification purposes.

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