

PRODUCT

**ULTRA-TEK 60 ALKZ GUN MIX**

LOW CEMENT, ALKALI RESISTANT,  
GUN MIX WITH ZIRCON

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
Lbs. Required Dry Mix per Cu. Ft.	155 lbs.
% Water Required for Gunning (approx.)	8.5%
Bulk Density After Drying	159 lbs./cu.ft.
<u>Modulus of Rupture</u>	
After Drying	1,000 – 1,600 psi
HMOR At 1500°F	1,600 – 2,000 psi
HMOR At 2550°F	250 – 500 psi
<u>Cold Crushing Strength</u>	
After 1500°F	6,000 – 10,000 psi
<u>Permanent Linear Change</u>	
After 1500°F	0.0 to -0.2%
After 2550°F	+0.8 to +1.4%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	33.6%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	57.3%
Zirconia	[ZrO <sub>2</sub> ]	3.6%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	0.8%
Lime	[CaO]	2.9%
Titania	[TiO <sub>2</sub> ]	1.3%
Other		0.5%

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

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