

PRODUCT

**ULTRA-TEK 60 AL**  
**ALUMINUM RESISTANT, LOW CEMENT CASTABLE**  
**OR SHOTCRETE**

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	2800°F
Lbs. Required Dry Mix Per Cu. Ft.	158 lbs.
% Water by Weight Required for Self Flow (approx.)	6.0%
Bulk Density After Drying	161 lbs./cu.ft.

Modulus of Rupture

After Drying	1,600 – 2,300 psi
At 1500°F	2,800 – 3,500 psi

Cold Crushing Strength

After 1500°F	7,000 - 11,000 psi
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Permanent Linear Change

After 1500°F	0.0 to -0.3%
After 2550°F	0.5 to +1.0%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	35.6%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	57.1%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	0.9%
Lime	[CaO]	1.9%
Titania	[TiO <sub>2</sub> ]	1.5%
Other		3.0%

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

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