

PRODUCT

**ULTRA-TEK 65 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.	160 lbs.
% Water by Weight Required for Self Flow (approx.)	6.0%
Bulk Density After Drying	163 lbs./cu. ft.
<u>Modulus of Rupture</u>	
After Drying	1,400 – 1,900 psi
At 1500°F	2,500 – 3,500 psi
<u>Cold Crushing Strength</u>	
After 1500°F	9,000 – 15,000 psi
<u>Permanent Linear Change</u>	
After 1500°F	0.0 to - 0.4%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	27.1%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	65.6%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	0.8%
Lime	[CaO]	1.9%
Titania	[TiO <sub>2</sub> ]	1.8%
Other		2.8%

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

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