

PRODUCT

**ULTRA-TEK 70 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.	163 lbs.
% Water by Weight Required for Self Flow (approx.)	6.0%
Bulk Density After Drying	166 lbs./cu.ft.

Modulus of Rupture

After Drying at 230°F	1,300 – 1,900 psi
HMOR at 1500°F	2,800 – 4,000 psi

Cold Crush Strength

After Drying	8,000 – 13,000 psi
After 1500°F	8,000 – 11,000 psi

Permanent Linear Change

After 1500°F	0.0 to -0.2%
After 2550°F	0.0 to +0.5%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	24.4%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	67.9%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	0.9%
Lime	[CaO]	1.9%
Titania	[TiO <sub>2</sub> ]	1.9%
Other		3.0%

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

1150



**MT. SAVAGE**  
**SPECIALTY REFRACTORIES COMPANY** • Pittsburgh, Pa. 15127 •