

PRODUCT

**ULTRA-TEK 70 UL VC**  
**ULTRA-LOW CEMENT**  
**VIBRATION CASTABLE**

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Lbs. Required Dry Mix per Cu. Ft.	164 lbs.
% Water by Weight Required for Casting (approx.)	5.3%
Bulk Density After Drying	168 lbs./cu. ft.
<u>Modulus of Rupture</u>	
After Drying	1400 – 2200 psi
At 1500°F	3000 – 5000 psi
At 2550°F	1400 – 2100 psi
<u>Cold Crushing Strength After 1500°F</u>	
	9000 – 15000 psi
<u>Permanent Linear Change</u>	
After 1500°F	0.0 to -0.2%
After 2550°F	+0.5 to +1.4%
<u>C-704 Abrasion Loss After 1500°F</u>	4.5 cc

CHEMISTRY

Silica	[SiO <sub>2</sub> ]	26.5%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	69.3%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	0.9%
Lime	[CaO]	0.9%
Titania	[TiO <sub>2</sub> ]	2.1%
Trace Minerals and Alkalis		0.3%

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

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