

PRODUCT

**ULTRA-TEK 85 UL VC**

**ULTRA-LOW CEMENT  
VIBRATION CASTABLE**

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Lbs. Required Dry Mix per Cu. Ft.	180 lbs.
% Water by Weight Required for Casting (approx.)	5.0
Bulk Density After Drying	185 lbs./cu. ft.
<u>Modulus of Rupture</u>	
After Drying	1200 – 1800 psi
At 1500°F	3500 – 5500 psi
At 2550°F	700 – 1300 psi
<u>Cold Crushing Strength After 1500°F</u>	7000 – 13000 psi
<u>Permanent Linear Change</u>	
After 1500°F	0.0 to -0.2%
After 2550°F	+0.8 to +1.2%

CHEMISTRY

Silica	[SiO <sub>2</sub> ]	13.3%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	81.0%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	1.4%
Lime	[CaO]	1.0%
Titania	[TiO <sub>2</sub> ]	2.4%
Trace minerals and Alkalis		0.9%

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

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**MT. SAVAGE**

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