

PRODUCT

**ULTRA-TEK 70 VC-C**  
**LOW CEMENT, VIBRATION CASTABLE**

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	3100°F
Lbs. Required Dry Mix per Cu. Ft.	167 lbs.
% Water by Weight Required for Casting	5%
Bulk Density After Drying	170 lbs./cu.ft.

Modulus of Rupture

After Drying	1800 – 2400 psi
At 1500°F	3500 – 5000 psi
After 2550°F	550 – 850 psi

<u>Cold Crushing Strength (After 1500°F)</u>	8000 – 12000 psi
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Permanent Linear Change

After 1500°F	0.0 to -0.2%
After 2550°F	0.5 to +1.0%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	28.7%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	66.3%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	1.0%
Lime	[CaO]	1.4%
Titania	[TiO <sub>2</sub> ]	2.1%
Trace Minerals & Alkalis		0.5%

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

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