

ULTRA-TEK 65 VC
LOW CEMENT VIBRATION CASTABLE

PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
% Water by Weight Required for Casting	5.0% (approx.)
Lbs. Required Dry Mix per Cu. Ft.	158 lbs.
Bulk Density After Drying	161 lbs./cu. ft.
<u>Modulus of Rupture</u>	
After Drying	1800 – 2500 psi
At 1500°F	3500 – 5000 psi
At 2550°F	1100 – 1700 psi
<u>Cold Crushing Strength After 1500°F</u>	12000 – 18000 psi
<u>Permanent Linear Change</u>	
After 1500°F	0.0 to -0.2%
After 2550°F	0.0 to +0.6%
<u>C-704 Abrasion Loss After 1500°F</u>	3.8 cc

CHEMISTRY

Silica	[SiO ₂]	32.3%
Alumina	[Al ₂ O ₃]	63.4%
Iron Oxide	[Fe ₂ O ₃]	0.9%
Lime	[CaO]	1.5%
Titania	[TiO ₂]	1.7%
Trace Minerals and Alkalis		0.2%

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

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