

PRODUCT

ULTRA-TEK 50 VC
LOW CEMENT, VIBRATION CASTABLE

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
Lbs. Required Dry Mix per Cu. Ft.	154 lbs.
% Water by Weight Required for Casting (approx.)	5.2%
Bulk Density After Drying	158 lbs./cu.ft.

Modulus of Rupture

After Drying	2,000 psi
At 1500°F	4,000 psi
At 2550°F	800 psi

Permanent Linear Change

After 1500°F	-0.1%
After 2550°F	+0.7%

Abrasion Loss After 1500°F

4.6 cc

Cold Crushing Strength

After 1500°F	13,000 psi
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CHEMISTRY

Silica	[SiO ₂]	44.5%
Alumina	[Al ₂ O ₃]	50.8%
Iron Oxide	[Fe ₂ O ₃]	0.8%
Lime	[CaO]	1.4%
Titania	[TiO ₂]	1.5%
Trace minerals and Alkalies		1.0%

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 •