

PRODUCT

ULTRA-TEK FS VC
LOW CEMENT, FUSED SILICA
VIBRATION CASTABLE

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2200°F
Lbs. Required Dry Mix per Cu. Ft.	131 lbs.
% Water by Weight Required for Casting (approx.)	5.5%
Bulk Density After Drying	137 lbs./cu.ft.
Cold Crushing Strength (Fired to 1500°F)	7,500 – 11,000 psi

Modulus of Rupture

MOR After Drying	1,400 – 1,900 psi
MOR after 1500°F	2,500 – 3,500 psi
HMOR at 2200°F	3,000 – 4,500 psi

Permanent Linear Change

After 1500°F	0.0 to -0.2%
After 2200°F	0.0 to -0.2%

CHEMICAL COMPOSITION

Silica	[SiO ₂]	79.9%
Alumina	[Al ₂ O ₃]	17.4%
Iron Oxide	[Fe ₂ O ₃]	<0.1%
Lime	[CaO]	2.4%
Other		0.2%

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

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