

PRODUCT

ULTRA-TEK 45 VC
LOW CEMENT, VIBRATION CASTABLE

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

| | |
|-----------------------------------|-----------------|
| Maximum Service Temperature | 2800°F |
| Lbs. Required Dry Mix per Cu. Ft. | 148 lbs. |
| % Water by Weight Required | 5.6% |
| Bulk Density After Drying | 150 lbs./cu.ft. |

Modulus of Rupture

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|--------------|-----------|
| After Drying | 1,800 psi |
| At 1500°F | 3,500 psi |

Cold Crushing Strength

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|--------------|------------|
| Dried 230°F | 8,500 psi |
| After 1500°F | 10,000 psi |

Permanent Linear Change

| | |
|--------------|-------|
| After 1500°F | -0.1% |
| After 2550°F | +0.8% |

CHEMICAL ANALYSIS

| | | |
|----------------|-----------------------------------|-------|
| Silica | [SiO ₂] | 49.9% |
| Alumina | [Al ₂ O ₃] | 44.9% |
| Titania | [TiO ₂] | 1.5% |
| Iron Oxide | [Fe ₂ O ₃] | .9% |
| Lime | [CaO] | 1.9% |
| Trace Minerals | | 0.9% |

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

2150



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