

ULTRA-TEK 60 ALK
ALKALI RESISTANT, LOW CEMENT, SELF FLOWING
CASTABLE, PUMP MIX, SHOTCRETE

PHYSICAL DATA

	Vibration Cast	Self-Leveling
Maximum Service Temperature	3000 °F	3000 °F
Water by Weight Required for Casting	5.0 %	6.0 %
Lbs. Dry Material Required per cu. ft.	154 lbs.	148 lbs.
Bulk Density		
After Drying at 250°F	157 pcf	151 pcf
Modulus of Rupture		
After Drying at 250°F	1,700 – 2,500 psi	1,300 – 1,900 psi
After Heating to 1500°F	4,000 – 6,000 psi	3,000 – 3,500 psi
At 2550°F	500 – 900 psi	400 – 700 psi
Cold Crushing Strength		
After Drying at 250°F	8,000 – 12,000 psi	7,000 – 11,000 psi
After Heating to 1500°F	9,000 – 15,000 psi	7,000 – 11,000 psi
C-704 Abrasion Resistance		
After Heating to 1500°F	4.5 cc	6.0 cc
Permanent Linear Change		
After Heating to 1500°F	0.0 to -0.2%	0.0 to -0.2%
After Heating to 2550°F	+0.5 to +1.0 %	+0.5 to +1.0 %

CHEMICAL ANALYSIS

Silica	[SiO ₂]	40.1 %
Alumina	[Al ₂ O ₃]	55.6 %
Iron Oxide	[Fe ₂ O ₃]	0.8 %
Lime	[CaO]	1.5 %
Titania	[TiO ₂]	1.8 %

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

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