

ULTRA-TEK 70 GUN MIX
LOWER CEMENT GUN MIX

PHYSICAL PROPERTIES

Maximum Service Temperature	3100°F
Lbs. Required Dry Mix per Cu. Ft.	155 lbs.
Bulk Density After Drying	158 lbs./cu.ft.
<u>Modulus of Rupture</u>	
After Drying	900 – 1400 psi
At 1500°F	2200 – 2800 psi
At 2550°F	400 – 800 psi
<u>Cold Crushing Strength</u>	
After Drying	3500 – 8000 psi
After 1500°F	6500 – 9000 psi
<u>Permanent Linear Change</u>	
After 1500°F	0.0 to -0.3%
After 2910°F	0.0 to +0.6%
<u>Abrasion Loss (ASTM C-704)</u>	
After 1500°F	6 – 10 cc

CHEMICAL ANALYSIS

Silica	[SiO ₂]	25.3%
Alumina	[Al ₂ O ₃]	69.1%
Iron Oxide	[Fe ₂ O ₃]	0.9%
Lime	[CaO]	2.8%
Titania	[TiO ₂]	1.6%
Trace Minerals		0.3%

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

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