

PRODUCT
ULTRA-TEK 60 ALK GUN MIX
LOW CEMENT GUN MIX

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
Lbs. Required Dry Mix Per Cu. Ft.	146 lbs.
% Water by Weight Required for Pre-Dampening	3% (approx.)
Bulk Density After Drying	151 lbs./cu.ft.

Modulus of Rupture

After Drying	1200 - 1600 psi
At 1500°F	1200 - 1600 psi
At 2550°F	400 - 800 psi

Cold Crushing Strength

After Drying	4000 - 8000
After 1500°F	5000 - 9000

Permanent Linear Change

After 1500°F	0.0 to -0.2%
After 2550°F	0.0 to +0.4%

Abrasion Loss (ASTM C-704)

Dried 230°F	6.0 to 10.0 cc
After 1500°F	6.0 to 12.0 cc

CHEMICAL ANALYSIS

Silica	[SiO ₂]	34.7%
Alumina	[Al ₂ O ₃]	59.9%
Iron Oxide	[Fe ₂ O ₃]	0.9%
Lime	[CaO]	2.9%
Titania	[TiO ₂]	1.4%
Other	(alkalies)	0.2%

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

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ULTRA-TEK 60 ALK Gun Mix is a low cement gun mix designed to be installed by dry gunning. Temperature should be between 60°F and 90°F when installing.

Material should be mixed with the pre-dampening water, placed within 25 minutes, and cured for 24 to 48 hours. Careful heatup is required to remove any free water due to the low permeability of this product. ULTRA-TEK 60 ALK Gun Mix contains QF Fibers to assist in dryout.

ULTRA-TEK 60 ALK Gun Mix is recommended for applications requiring good intermediate temperature strength as this product exhibits properties similar to fireclay brick shapes at intermediate temperatures but load bearing properties drop off rapidly above 2500°F.