

PRODUCT
ULTRA-TEK 60 GUN MIX
LOW CEMENT GUN MIX

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	3100°F
Lbs. Required Dry Mix Per Cu. Ft.	150 lbs.
% Water by Weight Required for Pre-Dampening	3% (approx.)
Bulk Density After Drying	156 lbs./cu.ft.

Modulus of Rupture

After Drying	1200 - 1600 psi
At 1500°F	1200 - 1600 psi
At 2550°F	500 - 1000 psi

Cold Crushing Strength

After Drying	6000 - 10000
After 1500°F	6000 - 10000

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]	31.1%
Alumina	[Al ₂ O ₃]	63.4%
Iron Oxide	[Fe ₂ O ₃]	0.9%
Lime	[CaO]	2.8%
Titania	[TiO ₂]	1.6%
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 Gun Mix is a low cement mix designed to be installed by dry gunniting. Temperature should be between 60°F and 90°F when installing. In cold weather this can be accomplished by preheating material, water or both.

Material should be mixed for about 3 - 5 minutes 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 Gun Mix contains QF Fibers to assist in dryout procedures.

ULTRA-TEK 60 Gun Mix is recommended for applications requiring high 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.