

PRODUCT

DELTA t CRETE 30 GUN MIX
LIGHTWEIGHT INSULATING GUN MIX

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

This specification applies to samples gunned under controlled conditions in accordance with ASTM C-903. (Samples gunned on a vertical (80 – 90°) surface at maximum water, minimum gun pressure (approximately 20 psi) with 50 ft. of hose, gunned at a 90° angle to the gunned surface with proper technique.)

Maximum Service Temperature	3000°F
Lbs. Required Dry Mix per Cu. Ft. (not counting rebound)	90 lbs.
% Water by Weight Required for Gunning	Approx.29%
Bulk Density After Drying at 230°F	96 lbs./cu. ft.
After Firing at 1500°F	91 lbs./cu. ft.
Cold Crushing Strength After Firing at 1500°F	550 – 1200 psi
MOR After Drying at 230°F	260 – 400 psi

Permanent Linear Change

After Drying at 230°F	Negligible
After Heating to 1500°F	-0.1 to -0.8%
After Heating to 2900°F	-0.6 to -1.6%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	36.2%
Alumina	[Al ₂ O ₃]	56.0%
Iron Oxide	[Fe ₂ O ₃]	0.9%
Lime	[CaO]	5.7%
Trace Minerals & Alkalies		1.2%

THERMAL CONDUCTIVITY BTU/SQ.FT./HR./°F/IN.

At 500°F	3.0
At 1500°F	3.6
At 2500°F	5.8

NOTE: All data subject to reasonable deviation and should not be used as field specifications. Test results are highly dependent on gunning parameters including water, air pressure, pre-dampening and technique.

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