

**DELTA t CRETE 26M GUN MIX
LIGHTWEIGHT INSULATING GUN MIX**

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, 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	2600°F
Lbs. Required Dry Mix per Cu. Ft. (not counting rebound)	81 lbs.
% Water by Weight Required for Gunning	Approx. 34%
Bulk Density After Drying at 230°F	86 lbs./cu. ft.
After Firing at 1500°F	82 lbs./cu. ft.
Cold Crushing Strength After Firing at 1500°F	450 – 900 psi
MOR After Drying at 230°F	250 – 400 psi
<u>Permanent Linear Change</u>	
After Drying at 230°F	Negligible
After Heating to 1500°F	-0.1 to -0.8%
After Heating to 2500°F	-0.5 to -1.5%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	42.6%
Alumina	[Al ₂ O ₃]	45.7 %
Iron Oxide	[Fe ₂ O ₃]	1.2%
Lime	[CaO]	9.0%
Trace Minerals & Alkalis		1.5%

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

At 500°F	2.4
At 1500°F	2.6
At 2000°F	3.0

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

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