

PRODUCT

**DELTA t CRETE 20-35 GUN MIX
LIGHTWEIGHT INSULATING GUN MIX**

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2000°F
Lbs. Required Dry Mix per Cu. Ft.	40 lbs.
% Water by Weight Required for Gunning	Approx. 125%
Bulk Density After Drying at 230°F	44 lbs./cu.ft.
<u>Cold Crushing Strength</u>	
After Drying at 230°F	200 – 300 psi
After Firing at 1500°F	80 – 200 psi
<u>MOR After Drying at 230°F</u>	70 – 150 psi
<u>Permanent Linear Change</u>	
After Drying at 230°F	Negligible
After Heating to 1500°F	0.0 to -0.6%
After Heating to 1800°F	+0.1 to -1.0%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	46.5%
Alumina	[Al ₂ O ₃]	32.1%
Iron Oxide	[Fe ₂ O ₃]	4.3%
Lime	[CaO]	17.1%

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

At 500°F	1.3
At 1000°F	1.5
At 1500°F	1.7

NOTE: All data subject to reasonable deviation and should not be used for specification purposes. This specification is for data obtained under laboratory gunning conditions on a vertical surface with proper pre-dampening, minimum air pressure (15 – 20 psi) and good gunning technique.

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