

PRODUCT

DELTA t CRETE 22
LIGHTWEIGHT INSULATING CASTABLE

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2200°F
ASTM C-401	Class P
Lbs. Required Dry Mix per Cu. Ft.	56 lbs.
% Water by Weight Required for Casting	Approx. 45%
Bulk Density After Drying at 230°F	60 lbs./cu.ft.
MOR After Drying at 230°F	120 – 200 psi
<u>Cold Crushing Strength</u>	
After Drying at 230°F	500 – 800 psi
After Firing at 1500°F	250 – 500 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 2100°F	-0.2 to -1.0%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	37.5%
Alumina	[Al ₂ O ₃]	36.9%
Iron Oxide	[Fe ₂ O ₃]	4.9%
Lime	[CaO]	16.1%

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

At 500°F	1.4
At 1000°F	1.7
At 1500°F	1.9

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

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