

PRODUCT  
**DELTA t CRETE 22-LI**

**LOW IRON,  
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.	45 lbs.
% Water by Weight Required for Casting	Approx. 70%
Bulk Density After Drying at 230°F	51 lbs./cu.ft.
Cold Crushing Strength After Drying at 230°F	450 - 700 psi
MOR After Drying at 230°F	130 - 210 psi
<u>Permanent Linear Change</u>	
After Drying at 230°F	Negligible
After Heating to 1500°F	0.0 to 0.1%
After Heating to 2100°F	-0.5 to -1.4%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	47.2%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	39.4%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	0.5%
Lime	[CaO]	10.7%

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

At 500°F	1.3
At 1000°F	1.7
At 1500°F	2.0

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

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**MT. SAVAGE**

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