

PRODUCT

DELTA t CRETE 18

LIGHTWEIGHT INSULATING CASTABLE

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	1800°F
ASTM C-401	Class N
Lbs. Required Dry Mix Per Cu. Ft.	45 lbs.
% Water by Weight Required for Casting	Approx. 70%
Bulk Density After Drying at 230°F	52 lbs./cu.ft.
Cold Crushing Strength After Drying at 230°F	400 - 650 psi
MOR After Drying at 230°F	100 - 160 psi

Permanent Linear Change

After Drying at 230°F	Negligible
After Heating to 1500°F	0.0 to -0.3%
After Heating to 1700°F	-0.2 to -1.0%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	42.3%
Alumina	[Al ₂ O ₃]	30.4%
Iron Oxide	[Fe ₂ O ₃]	6.9%
Lime	[CaO]	15.4%

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

At 500°F	1.3
At 1000°F	1.4
At 1500°F	1.6

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

2806



MT. SAVAGE

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