

PRODUCT

DELTA t CRETE 25
LOW IRON,
LIGHTWEIGHT, INSULATING CASTABLE

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2500°F
ASTM C-401	Class R
Lbs. Required Dry Mix per Cu. Ft.	50 lbs.
% Water by Weight Required for Casting	Approx. 55%
Bulk Density After Drying at 230°F	54 lbs./cu.ft.
MOR After Drying at 230°F	90 – 150 psi

Cold Crushing Strength

After Drying at 230°F	270 – 500 psi
After Firing at 1500°F	200 – 300 psi

Permanent Linear Change

After Drying at 230°F	Negligible
After Heating to 1500°F	0.0 to -0.3%
After Heating to 2300°F	0.4 to 2.1%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	37.2%
Alumina	[Al ₂ O ₃]	48.4%
Iron Oxide	[Fe ₂ O ₃]	0.9%
Lime	[CaO]	12.4%

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

At 500°F	1.4
At 1500°F	1.9
At 2000°F	2.3

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

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MT. SAVAGE
SPECIALTY REFRACTORIES COMPANY • Pittsburgh, Pa. 15127 •