

PRODUCT

DELTA t CRETE 20
LIGHTWEIGHT INSULATING CASTABLE

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2000°F
ASTM C-401	Class O
Lbs. Required Dry Mix per Cu. Ft.	50 lbs.
% Water by Weight Required for Casting	Approx. 62%
Bulk Density After Drying at 230°F	56 lbs./cu.ft.
MOR After Drying at 230°F	110 – 180 psi
<u>Cold Crushing Strength</u>	
After Drying at 230°F	450 – 750 psi
After Firing at 1500°F	150 – 325 psi
<u>Permanent Linear Change</u>	
After Drying at 230°F	Negligible
After Heating to 1500°F	0.0 to -0.2%
After Heating to 1900°F	-0.2 to -1.3%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	40.4%
Alumina	[Al ₂ O ₃]	32.8%
Iron Oxide	[Fe ₂ O ₃]	6.6%
Lime	[CaO]	15.9%

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

At 500°F	1.4
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.

0180



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