

PRODUCT

DELTA t CRETE 23 ES P
PUMPABLE/SHOTCRETABLE
INSULATING CASTABLE

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2300°F
Lbs. Required Dry Mix per Cu. Ft.	60 lbs.
% Water by Weight Required for Casting (Approx.)	35%
Bulk Density After Drying at 230°F	65 lbs./cu.ft.
<u>Cold Crushing Strength</u>	
After Heating to 1500°F	500 – 800 psi
<u>Modulus of Rupture</u>	
After Drying at 230°F	150 – 350 psi
HMOR at 1500°F	200 – 400 psi
<u>Permanent Linear Change</u>	
After Drying at 230°F	0.0 to -0.2%
After Heating to 1500°F	-0.6 to -1.0%
After Heating to 2250°F	-0.3 to -0.7%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	40.6%
Alumina	[Al ₂ O ₃]	51.5%
Iron Oxide	[Fe ₂ O ₃]	0.4%
Lime	[CaO]	7.3%
Trace Minerals		0.2%

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

At 500°F	1.5
At 1500°F	1.8
At 2500°F	1.9

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

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