

PRODUCT

HEATCRETE 23 ES T
HIGH STRENGTH REFRACTORY CASTABLE

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2300°F
Lbs. Required Dry Mix per Cu. Ft.	142 lbs.
Bulk Density After Drying at 230°F	145 lbs./cu.ft.
% Water by Weight Required for Casting (approx.)	10 – 11%
MOR After Drying at 230°F	900 – 1300 psi
<u>Cold Crushing Strength</u>	
After Drying at 230°F	6000 – 12000 psi
After Heating to 1500°F	3000 – 5000 psi
<u>Permanent Linear Change</u>	
After Drying at 230°F	Negligible
After Heating to 1500°F	0.0 to +0.3%
After Heating to 2200°F	+0.4 to +1.2%

CHEMISTRY

Silica	[SiO ₂]	38.3%
Alumina	[Al ₂ O ₃]	25.9%
Iron Oxide	[Fe ₂ O ₃]	10.8%
Lime	[CaO]	18.2%
Alkalis and Trace Minerals		6.8%

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

At 500°F	5.8
At 1500°F	6.2
At 2000°F	6.8

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

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