

PRODUCT

**HEATCRETE 23-T**  
**REFRACTORY CASTABLE**  
**MEDIUM AGGREGATE**

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	2300°F
Lbs. Required Dry Mix per Cu. Ft.	142 lbs.
% Water by Weight Required for Casting	Approx. 9 – 10%
Bulk Density After Drying at 230°F	147 lbs./cu.ft.
MOR After Drying at 230°F	900 – 1300 psi

Cold Crushing Strength

After Drying at 230°F	2200 – 3400 psi
After Heating to 1500°F	1500 – 2000 psi

Permanent Linear Change

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%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	41.9%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	25.8%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	10.9%
Lime	[CaO]	14.1%
Alkalies and Trace Minerals		7.3%

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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