

**PRODUCT**  
**HEATCRETE 23**

**MEDIUM DUTY FIRECLAY CASTABLE  
MEDIUM AGGREGATE**

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	2300°F
ASTM C-401	Class B
Lbs. Required Dry Mix Per Cu. Ft.	120 lbs.
% Water by Weight Required for Casting	Approx. 16%
Bulk Density After Drying at 230°F	125 lbs./cu.ft.
Cold Crushing Strength After Drying at 230°F	2800 - 4000 psi
MOR After Drying at 230°F	500 - 800 psi

Permanent Linear Change

After Drying at 230°F	Negligible
After Heating to 1500°F	0.0 to -0.2%
After Heating to 2000°F	0.0 to -0.6%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	51.0%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	35.0%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	3.2%
Lime	[CaO]	7.0%

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

At 500°F	5.1
At 1000°F	5.3
At 1500°F	5.4

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

2940



**MT. SAVAGE**

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