

PRODUCT

**HEATCRETE 27 M**

**SUPER DUTY FIRECLAY, ALL PURPOSE CASTABLE  
MEDIUM AGGREGATE**

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	2700°F
ASTM C-401	Class D
Lbs. Required Dry Mix per Cu. Ft.	129 lbs.
% Water by Weight Required for Casting	Approx. 13%
Bulk Density After Drying at 230°F	133 lbs./cu.ft.
Cold Crushing Strength After Drying at 230°F	2400 psi
MOR After Drying at 230°F	650 psi

Permanent Linear Change

After Drying at 230°F	negligible
After Heating to 1500°F	-0.2%
After Heating to 2550°F	-0.6%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	43.5%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	46.4%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	1.2%
Lime	[CaO]	5.7%
Other		3.2%

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.

2190



**MT. SAVAGE**

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