

PRODUCT

**SUPER HEATCRETE 28-C**

**LOW IRON, HIGH STRENGTH, SUPER DUTY  
FIRECLAY CASTABLE, COARSE AGGREGATE**

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	2800°F
ASTM C-401	Class D
Lbs. Required Dry Mix Per Cu. Ft.	138 lbs.
% Water by Weight Required for Casting	Approx. 12%
Bulk Density After Drying at 230°F	144 lbs./cu.ft.
Cold Crushing Strength After Drying at 230°F	7000 - 10000 psi
MOR After Drying at 230°F	1100 - 1500 psi

Permanent Linear Change

After Drying at 230°F	Negligible
After Heating to 1500°F	Negligible
After Heating to 2700°F	0.3 to 0.5%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	40.2%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	52.4%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	0.9%
Lime	[CaO]	5.6%

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

At 500°F	6.6
At 1500°F	6.9
At 2500°F	7.8

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

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**MT. SAVAGE**

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