

PRODUCT
HEATCRETE 27

**SUPER DUTY FIRECLAY 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.	135 lbs.
% Water by Weight Required for Casting	Approx. 12%
Bulk Density After Drying at 230°F	140 lbs./cu.ft.
Cold Crushing Strength After Drying at 230°F	2200 - 3400 psi
MOR After Drying at 230°F	500 - 1000 psi

Permanent Linear Change

After Drying at 230°F	Negligible
After Heating to 1500°F	0.0 to -0.3%
After Heating to 2500°F	0.0 to -0.8%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	43.3%
Alumina	[Al ₂ O ₃]	46.4%
Iron Oxide	[Fe ₂ O ₃]	1.3%
Lime	[CaO]	5.7%

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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MT. SAVAGE

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