

PRODUCT

**SUPER HEATCRETE 28-A**  
**HIGH STRENGTH FIRECLAY CASTABLE**  
**MEDIUM AGGREGATE**

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	2800°F
ASTM C-401	Class D
Lbs. Required Dry Mix per Cu. Ft.	137 lbs.
% Water by Weight Required for Casting	9%
Bulk Density After Drying at 230°F	142 lbs./cu.ft.
<u>Cold Crushing Strength</u>	
After Drying at 230°F	4000 – 6000 psi
After Heating at 1500°F	3500 – 5500 psi
<u>Modulus of Rupture</u>	
After Drying at 230°F	1250 – 1900 psi
After Heating at 1500°F	600 – 900 psi
<u>Permanent Linear Change</u>	
After Drying at 230°F	Negligible
After Heating to 1500°F	0.0 to -0.2%
After Heating to 2700°F	0.0 to -1.5%
Abrasion Loss after 1500°F	12 cc

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	37.5%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	55.1%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	0.7%
Titanium Oxide	[TiO <sub>2</sub> ]	1.4%
Lime	[CaO]	4.9%

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

At 500°F	7.8
At 1500°F	7.5
At 2500°F	7.9

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

0160



**MT. SAVAGE**  
**SPECIALTY REFRACTORIES COMPANY** • Pittsburgh, Pa. 15127 •